

CONTAMINATION OIL CONDITION WEAR

NORMAL NORMAL NORMAL

PACIFIC CHALLENGER - Front Diesel Engine

Unit Make	: JOHN DEERE							
Unit Model	: 6081AFM75E	Serial No	: RG6081A301613	Dat	te Rec'd	: Ma	ar 20, 2012	
Comp Make	: {n/a}	Cust. Ref No.	$: \{n/a\}$	Sar	nple Dat	e : Ma	ar 11, 2012	
Comp Model	$: \{n/a\}$	Stub No.	: KL-MFA01606	Dia	agnostici	an : Do	on Baldrid	ge
RECOMMENDATION Sample Date				02/09/12	02/19/12	03/01/12	Current	UOM
			Time on Unit	20550	20800	21061	21301	hrs
Resample at th	e next service interval t	o monitor.	Time on Oil	1250	1500	1750		hrs
			Time on Fltr	1250	1500	250		hrs
			Oil Maint.	not chg	not chg	not chg		
			Filter Maint.	not chg	not chg	not chg	-	
CONTAMINATION Sample Date					02/19/12	03/01/12	Current	Abn
There is no indication of any contamination in the component.				3.9	5.3	3.9	4.5	15
There is no ind	Fuel (%)	<2.0	<2.0	<2.0	<2.0			
			Glycol					0.02
			Water (%)	< 0.1	< 0.1	< 0.1	< 0.1	0.1
			Soot (%)	0.8	0.9	0.4	0.6	
			>4µm(c)					
			>6µm(c)					
			>14µm(c)					
			>21µm(c)					
			>38µm(c)					
			>70µm(c)					
			ISO 4406(c)					
OIL CONDITION Sample Date								
OIL CONI	DITION		Sample Date	02/09/12	02/19/12	03/01/12	Current	Base
OIL CONI	DITION		Sample Date Potassium	02/09/12	02/19/12 0.0	03/01/12 0.0	Current 1.4	Base
	DITION AL of MOBIL 15W40)	-					Base
Oil Type: 11 G			Potassium	0.0	0.0	0.0	1.4	Base
Oil Type: 11 G	AL of MOBIL 15W40		Potassium Boron	0.0 32	0.0 29	0.0	1.4 38	Base
Oil Type: 11 G	AL of MOBIL 15W40		Potassium Boron Barium	0.0 32 0.1	0.0 29 0.0	0.0 44 0.0	1.4 38 0.0 2526 528	Base
Oil Type: 11 G	AL of MOBIL 15W40		Potassium Boron Barium Calcium	0.0 32 0.1 2866	0.0 29 0.0 3113	0.0 44 0.0 2451	1.4 38 0.0 2526 528	Base
Oil Type: 11 G	AL of MOBIL 15W40		Potassium Boron Barium Calcium Magnesium Molybdenum Sodium	0.0 32 0.1 2866 567 63 1.1	0.0 29 0.0 3113 536 60 0.0	0.0 44 0.0 2451 510 49 1.2	1.4 38 0.0 2526 528 51 0.9	Base
Oil Type: 11 G	AL of MOBIL 15W40		Potassium Boron Barium Calcium Magnesium Molybdenum Sodium Phosphorus	0.0 32 0.1 2866 567 63 1.1 1272	0.0 29 0.0 3113 536 60 0.0 998	0.0 44 0.0 2451 510 49 1.2 1128	1.4 38 0.0 2526 528 51 0.9 1164	Base
Oil Type: 11 G	AL of MOBIL 15W40		Potassium Boron Barium Calcium Magnesium Molybdenum Sodium Phosphorus Sulfur	0.0 32 0.1 2866 567 63 1.1 1272 4634	0.0 29 0.0 3113 536 60 0.0 998 3762	0.0 44 0.0 2451 510 49 1.2 1128 4283	1.4 38 0.0 2526 528 51 0.9 1164 4320	Base
Oil Type: 11 G	AL of MOBIL 15W40		Potassium Boron Barium Calcium Magnesium Molybdenum Sodium Phosphorus Sulfur Zinc	0.0 32 0.1 2866 567 63 1.1 1272 4634 1414	0.0 29 0.0 3113 536 60 0.0 998 3762 1310	0.0 44 0.0 2451 510 49 1.2 1128 4283 1219	1.4 38 0.0 2526 528 51 0.9 1164 4320 1275	Base
Oil Type: 11 G	AL of MOBIL 15W40		Potassium Boron Barium Calcium Magnesium Molybdenum Sodium Phosphorus Sulfur Zinc Visc@100°C	0.0 32 0.1 2866 567 63 1.1 1272 4634 1414 14.63	0.0 29 0.0 3113 536 60 0.0 998 3762 1310 14.64	$\begin{array}{c} 0.0 \\ 44 \\ 0.0 \\ 2451 \\ 510 \\ 49 \\ 1.2 \\ 1128 \\ 4283 \\ 1219 \\ 14.07 \end{array}$	1.4 38 0.0 2526 528 51 0.9 1164 4320 1275 14.31	Base
Oil Type: 11 G	AL of MOBIL 15W40		Potassium Boron Barium Calcium Magnesium Molybdenum Sodium Phosphorus Sulfur Zinc	0.0 32 0.1 2866 567 63 1.1 1272 4634 1414	0.0 29 0.0 3113 536 60 0.0 998 3762 1310	0.0 44 0.0 2451 510 49 1.2 1128 4283 1219	$ \begin{array}{r} 1.4\\ 38\\ 0.0\\ 2526\\ 528\\ 51\\ 0.9\\ 1164\\ 4320\\ 1275\\ 14.31\\ \end{array} $	Base
Oil Type: 11 G	AL of MOBIL 15W40		Potassium Boron Barium Calcium Magnesium Molybdenum Sodium Phosphorus Sulfur Zinc Visc@100°C TBN Sample Date	0.0 32 0.1 2866 567 63 1.1 1272 4634 1414 14.63	0.0 29 0.0 3113 536 60 0.0 998 3762 1310 14.64 10.88	0.0 44 0.0 2451 510 49 1.2 1128 4283 1219 14.07 12.4	1.4 38 0.0 2526 528 51 0.9 1164 4320 1275 14.31 12.7	Abn
Oil Type: 11 G The condition	AL of MOBIL 15W40		Potassium Boron Barium Calcium Magnesium Molybdenum Sodium Phosphorus Sulfur Zinc Visc@100°C TBN Sample Date PQ	0.0 32 0.1 2866 567 63 1.1 1272 4634 1414 14.63 12.59 02/09/12	0.0 29 0.0 3113 536 60 0.0 998 3762 1310 14.64 10.88 02/19/12 	0.0 44 0.0 2451 510 49 1.2 1128 4283 1219 14.07 12.4 03/01/12	1.4 38 0.0 2526 528 51 0.9 1164 4320 1275 14.31 12.7 Current	
Oil Type: 11 G The condition	AL of MOBIL 15W40		Potassium Boron Barium Calcium Magnesium Molybdenum Sodium Phosphorus Sulfur Zinc Visc@100°C TBN Sample Date PQ Iron	0.0 32 0.1 2866 567 63 1.1 1272 4634 1414 14.63 12.59 02/09/12 33	0.0 29 0.0 3113 536 60 0.0 998 3762 1310 14.64 10.88 02/19/12 35	0.0 44 0.0 2451 510 49 1.2 1128 4283 1219 14.07 12.4 03/01/12 	1.4 38 0.0 2526 528 51 0.9 1164 4320 1275 14.31 12.7 Current 21	
Oil Type: 11 G The condition	AL of MOBIL 15W40		Potassium Boron Barium Calcium Magnesium Molybdenum Sodium Phosphorus Sulfur Zinc Visc@100°C TBN Sample Date PQ Iron Nickel	0.0 32 0.1 2866 567 63 1.1 1272 4634 1414 14.63 12.59 02/09/12 33 1.6	0.0 29 0.0 3113 536 60 0.0 998 3762 1310 14.64 10.88 02/19/12 35 2.9	0.0 44 0.0 2451 510 49 1.2 1128 4283 1219 14.07 12.4 03/01/12 14 0.0	1.4 38 0.0 2526 528 51 0.9 1164 4320 1275 14.31 12.7 Current 21 0.4	Abn
Oil Type: 11 G The condition	AL of MOBIL 15W40		Potassium Boron Barium Calcium Magnesium Molybdenum Sodium Phosphorus Sulfur Zinc Visc@100°C TBN Sample Date PQ Iron Nickel Chromium	0.0 32 0.1 2866 567 63 1.1 1272 4634 1414 14.63 12.59 02/09/12 33 1.6 0.6	0.0 29 0.0 3113 536 60 0.0 998 3762 1310 14.64 10.88 02/19/12 35 2.9 0.6	0.0 44 0.0 2451 510 49 1.2 1128 4283 1219 14.07 12.4 03/01/12 14 0.0 0.2	1.4 38 0.0 2526 528 51 0.9 1164 4320 1275 14.31 12.7 Current 21 0.4 0.1	Abn
Oil Type: 11 G The condition	AL of MOBIL 15W40		Potassium Boron Barium Calcium Magnesium Molybdenum Sodium Phosphorus Sulfur Zinc Visc@100°C TBN Sample Date PQ Iron Nickel Chromium Titanium	0.0 32 0.1 2866 567 63 1.1 1272 4634 1414 14.63 12.59 02/09/12 33 1.6 0.6 0.0	0.0 29 0.0 3113 536 60 0.0 998 3762 1310 14.64 10.88 02/19/12 35 2.9 0.6 0.0	0.0 44 0.0 2451 510 49 1.2 1128 4283 1219 14.07 12.4 03/01/12 14 0.0 0.2 0.3	1.4 38 0.0 2526 528 51 0.9 1164 4320 1275 14.31 12.7 Current 21 0.4 0.1 0.3	Abn
Oil Type: 11 G The condition	AL of MOBIL 15W40		Potassium Boron Barium Calcium Magnesium Molybdenum Sodium Phosphorus Sulfur Zinc Visc@100°C TBN Sample Date PQ Iron Nickel Chromium Titanium Copper	0.0 32 0.1 2866 567 63 1.1 1272 4634 1414 14.63 12.59 02/09/12 02/09/12 033 1.6 0.6 0.0 1.6	0.0 29 0.0 3113 536 60 0.0 998 3762 1310 14.64 10.88 02/19/12 35 2.9 0.6 0.0 2.8	0.0 44 0.0 2451 510 49 1.2 1128 4283 1219 14.07 12.4 03/01/12 14 0.0 0.2 0.3 0.5	1.4 38 0.0 2526 528 51 0.9 1164 4320 1275 14.31 12.7 Current 21 0.4 0.1 0.3 2.0	Abn
Oil Type: 11 G The condition	AL of MOBIL 15W40		Potassium Boron Barium Calcium Magnesium Molybdenum Sodium Phosphorus Sulfur Zinc Visc@100°C TBN Sample Date PQ Iron Nickel Chromium Titanium Copper Aluminum	0.0 32 0.1 2866 567 63 1.1 1272 4634 1414 14.63 12.59 02/09/12 033 1.6 0.6 0.0 1.6 1.4	0.0 29 0.0 3113 536 60 0.0 998 3762 1310 14.64 10.88 02/19/12 35 2.9 0.6 0.0 0.0 2.8 1.3	0.0 44 0.0 2451 510 49 1.2 1128 4283 1219 14.07 12.4 03/01/12 14 0.0 0.2 0.3 0.5 1.6	1.4 38 0.0 2526 528 51 0.9 1164 4320 1275 14.31 12.7 Current 21 0.4 0.1 0.3 2.0 1.4	Abn
Oil Type: 11 G The condition	AL of MOBIL 15W40		Potassium Boron Barium Calcium Magnesium Molybdenum Sodium Phosphorus Sulfur Zinc Visc@100°C TBN Sample Date PQ Iron Nickel Chromium Titanium Copper Aluminum	0.0 32 0.1 2866 567 63 1.1 1272 4634 1414 14.63 12.59 02/09/12 33 1.6 0.6 0.0 1.6 0.16 1.4 0.0	0.0 29 0.0 3113 536 60 0.0 998 3762 1310 14.64 10.88 02/19/12 35 2.9 0.6 0.0 2.8 1.3 0.0	0.0 44 0.0 2451 510 49 1.2 1128 4283 1219 14.07 12.4 03/01/12 14 0.0 0.2 0.3 0.5 1.6 0.0	1.4 38 0.0 2526 528 51 0.9 1164 4320 1275 14.31 12.7 Current 21 0.4 0.1 0.3 2.0 1.4 0.0	Abn
Oil Type: 11 G The condition	AL of MOBIL 15W40		Potassium Boron Barium Calcium Magnesium Molybdenum Sodium Phosphorus Sulfur Zinc Visc@100°C TBN Sample Date PQ Iron Nickel Chromium Titanium Copper Aluminum	0.0 32 0.1 2866 567 63 1.1 1272 4634 1414 14.63 12.59 02/09/12 033 1.6 0.6 0.0 1.6 1.4	0.0 29 0.0 3113 536 60 0.0 998 3762 1310 14.64 10.88 02/19/12 35 2.9 0.6 0.0 0.0 2.8 1.3	0.0 44 0.0 2451 510 49 1.2 1128 4283 1219 14.07 12.4 03/01/12 14 0.0 0.2 0.3 0.5 1.6	1.4 38 0.0 2526 528 51 0.9 1164 4320 1275 14.31 12.7 Current 21 0.4 0.1 0.3 2.0 1.4 0.0	Abn

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