



# MOBILE OIL ANALYSIS REPORT

CONTAMINATION  
OIL CONDITION  
WEAR

**NORMAL**  
**NORMAL**  
**NORMAL**

[R10] R10-F-01 - Diesel Engine

Unit Make : {n/a}

Unit Model : {n/a}

Comp Make : {n/a}

Comp Model : {n/a}

Serial No : WJH01497

Cust. Ref No. : {n/a}

Stub No. : KL-M2304749

Date Rec'd : Apr 6, 2012

Sample Date : Mar 29, 2012

Diagnostician : Doug Bogart

## RECOMMENDATION

Resample at the next service interval to monitor.

Sample Date	12/14/11	02/01/12	02/23/12	Current	UOM
Time on Unit	26422	27247	27793	28482	hrs
Time on Oil	0	0	1500	0	hrs
Time on Fltr	0	0	1500	0	hrs
Oil Maint.	changed	not chg	not chg	changed	---
Filter Maint.	changed	not chg	not chg	changed	---

## CONTAMINATION

There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable.

Sample Date	12/14/11	02/01/12	02/23/12	Current	Abn
Silicon	3.9	2.6	3.4	1.8	25
Fuel (%)	<2.0	<2.0	<2.0	<2.0	5
Glycol	---	---	---	---	0.06
Water (%)	<0.1	<0.1	<0.1	<0.1	0.1
Soot (%)	0.1	0	0.1	0.1	3
>4µm(c)	1589	230	1423	1423	---
>6µm(c)	866	125	775	775	---
>14µm(c)	147	21	132	132	---
>21µm(c)	49	7	44	44	---
>38µm(c)	7	1	6	6	---
>70µm(c)	0	0	0	0	---
ISO 4406(c)	17/14	14/12	17/14	17/14	---

## OIL CONDITION

Oil Type: CHEVRON DELO 400 MULTIGRADE 15W40

The condition of oil is suitable for further service.

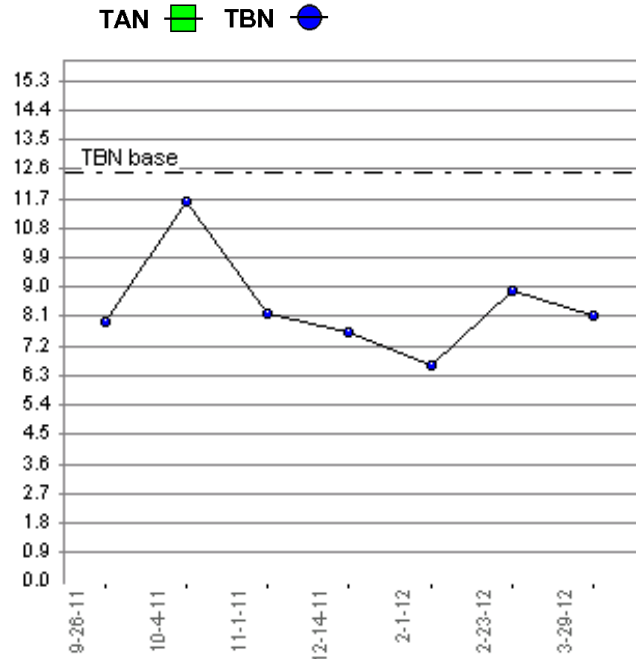
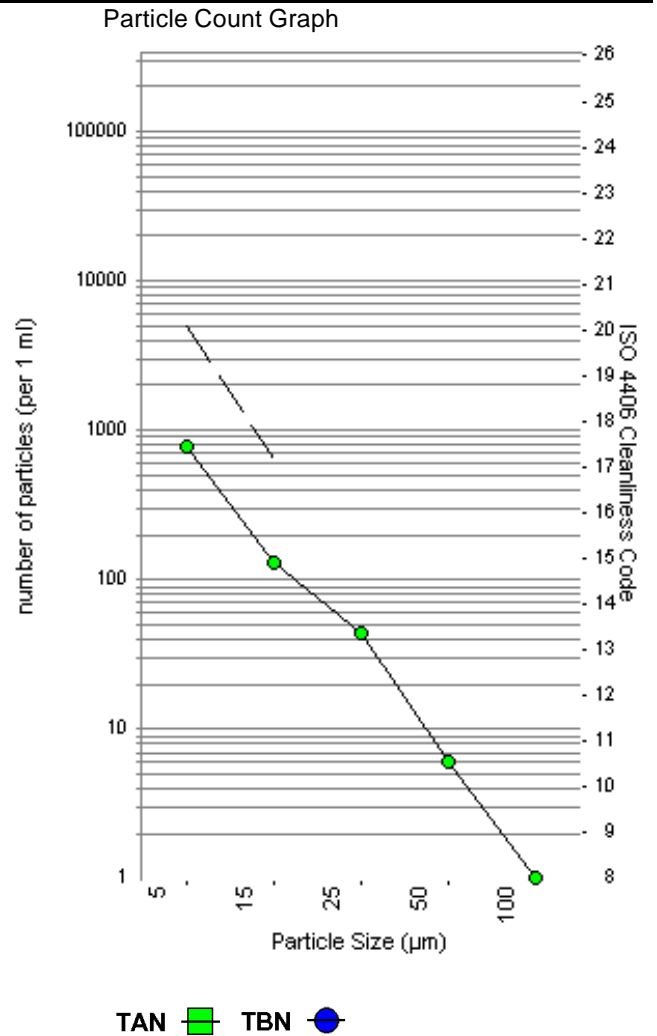
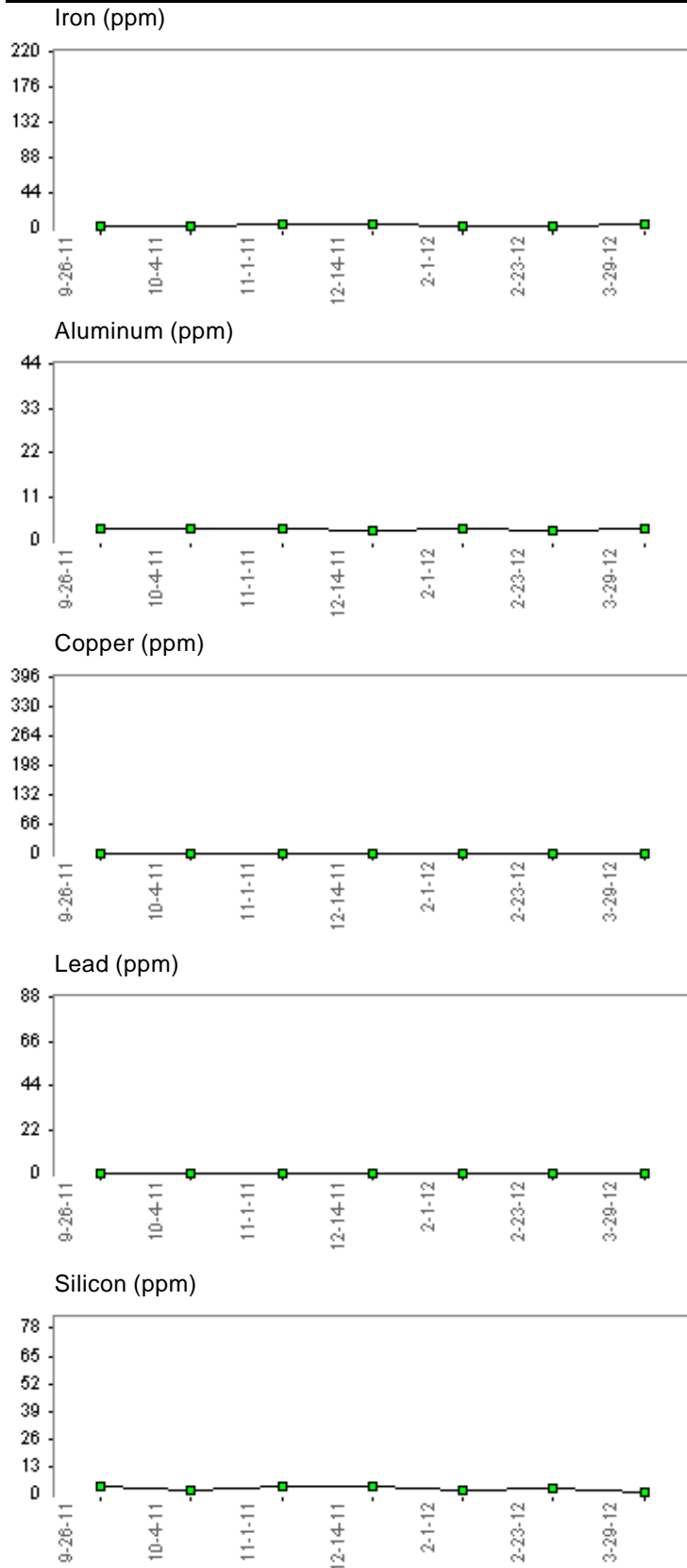
Sample Date	12/14/11	02/01/12	02/23/12	Current	Base
Potassium	0.5	3.5	5.7	0.6	5.4
Boron	353	450	397	416	151
Barium	0.0	0.0	0.0	0.0	0.4
Calcium	1902	1594	1574	1518	2046
Magnesium	402	385	394	367	0
Molybdenum	78	86	78	82	250
Sodium	1.0	1.2	0.8	1.2	0.0
Phosphorus	1209	1106	1035	1030	1043
Sulfur	3223	2959	2892	2875	5012
Zinc	1303	1236	1167	1223	943
Visc@100°C	13.23	13.94	13.67	13.36	14.4
TBN	7.64	6.59	8.88	8.10	12.5

## WEAR

All component wear rates are normal.

Sample Date	12/14/11	02/01/12	02/23/12	Current	Abn
PQ	---	---	---	---	---
Iron	7.0	4.2	4.7	7.2	100
Nickel	0.3	0.3	0.7	0.1	2
Chromium	0.0	0.2	0.2	0.0	20
Titanium	0.1	0.0	0.1	0.0	2
Copper	1.3	1.0	1.1	1.7	330
Aluminum	2.8	3.1	2.6	3.2	20
Tin	0.0	0.1	0.0	0.0	15
Lead	0.9	0.1	0.0	0.0	40

# Graphs



If you have any questions concerning this sample report (work order no 03047778 ) please call 1-800-237-1369.



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