



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id  
**HINO 8464006**  
 Component  
**Diesel Engine**  
 Fluid  
**MOBIL DELVAC 1 5W40 (18 QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RPL0021844</b>	RPL0019438	RPL0015020
Sample Date		Client Info		<b>15 Jun 2024</b>	12 Mar 2024	16 Sep 2023
Machine Age	mls	Client Info		<b>198126</b>	195767	192497
Oil Age	mls	Client Info		<b>5629</b>	3270	11321
Filter Age	mls	Client Info		<b>5629</b>	3270	11321
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Changed
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	Changed
Sample Status				<b>ATTENTION</b>	ATTENTION	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>15</b>	5	33
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>3</b>	<1	<1
Lead	ppm	ASTM D5185m	>40	<b>&lt;1</b>	0	31
Copper	ppm	ASTM D5185m	>330	<b>11</b>	4	2
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

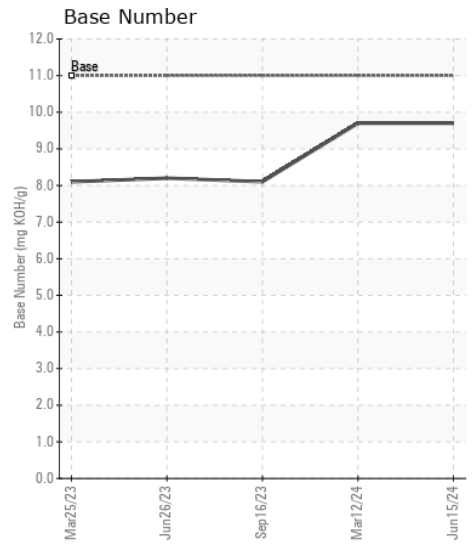
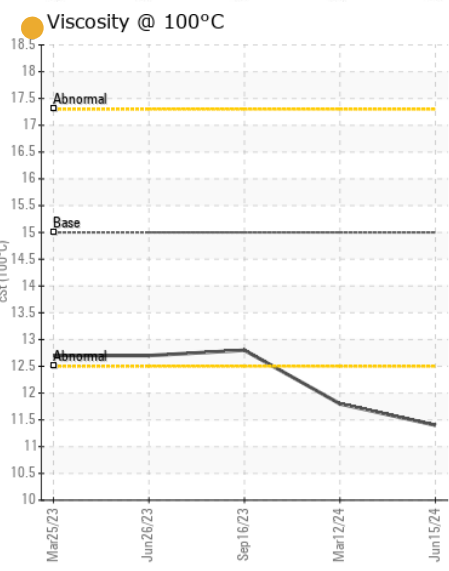
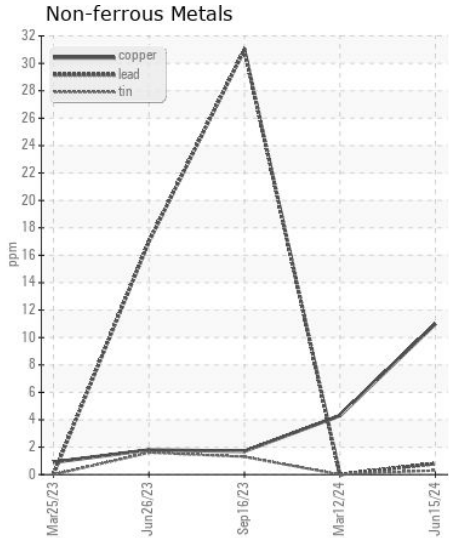
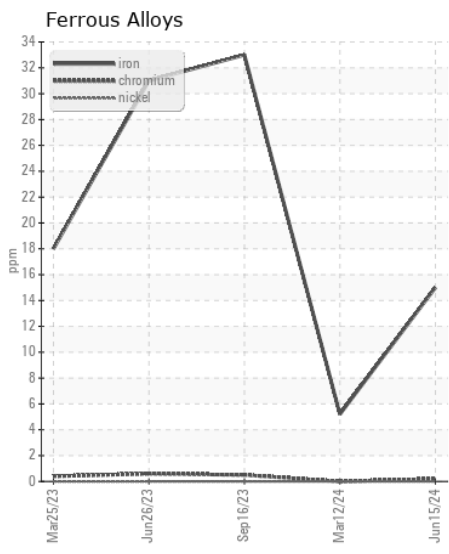
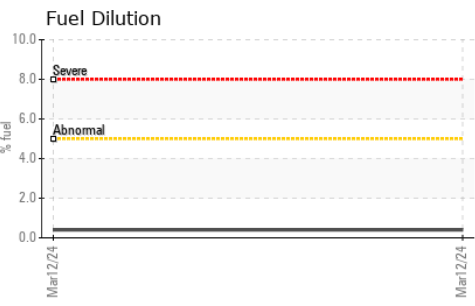
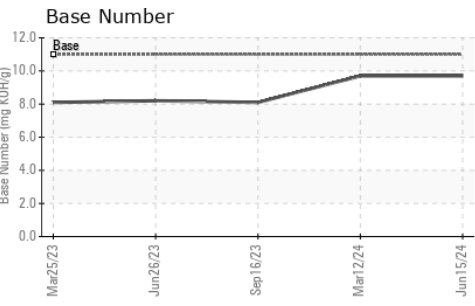
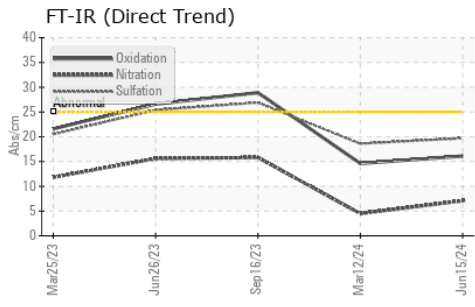
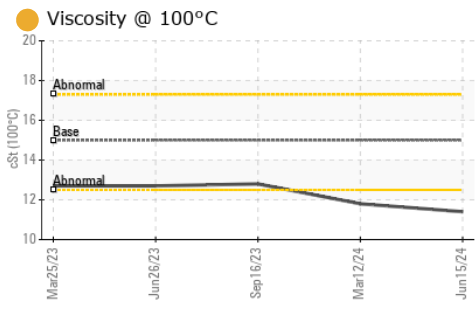
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>8</b>	5	6
Potassium	ppm	ASTM D5185m	>20	<b>8</b>	6	4
Fuel	%	ASTM D3524	>5	<b>&lt;1.0</b>	0.4	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844	>3	<b>0.3</b>	0.1	1.4
Nitration	Abs/cm	*ASTM D7624	>20	<b>7.1</b>	4.5	15.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>19.7</b>	18.6	26.9
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		<b>3</b>	2	6
Boron	ppm	ASTM D5185m	291	<b>59</b>	110	2
Barium	ppm	ASTM D5185m	0.0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	8.0	<b>61</b>	59	64
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m	624	<b>592</b>	506	1051
Calcium	ppm	ASTM D5185m	2158	<b>1468</b>	1805	1334
Phosphorus	ppm	ASTM D5185m	1132	<b>1172</b>	1122	1088
Zinc	ppm	ASTM D5185m	1300	<b>1260</b>	1338	1389
Sulfur	ppm	ASTM D5185m	3616	<b>3356</b>	4241	3975
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>16.1</b>	14.6	28.9
Base Number (BN)	mg KOH/g	ASTM D2896	11.0	<b>9.7</b>	9.7	8.1
Visc @ 100°C	cSt	ASTM D445	15.0	<b>11.4</b>	11.8	12.8



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0021844  
**Lab Number** : 06230042  
**Unique Number** : 11113535  
**Test Package** : FLEET ( Additional Tests: FuelDilution, PercentFuel )

**RTL PACLEASE - 7006 - Pico Rivera**  
 7837 Telegraph Rd  
 Pico Rivera, CA  
 US 90660  
 Contact: GERARDO CARROLA  
 carrolag@rushenterprises.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)