



WEAR **NORMAL**

CONTAMINATION **NORMAL**

FLUID CONDITION **NORMAL**

# OIL ANALYSIS REPORT

Area

(00000)

Machine Id

HINO 8464616

Component

Diesel Engine

Fluid

MOBIL DELVAC 1300 SUPER15W40 (18 QTS)

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RPL0021084</b>	RPL0017990	RPL0016297
Sample Date		Client Info		<b>18 May 2024</b>	12 Feb 2024	04 Nov 2023
Machine Age	mls	Client Info		<b>89732</b>	84785	79938
Oil Age	mls	Client Info		<b>4947</b>	4847	4847
Filter Age	mls	Client Info		<b>4947</b>	4847	4847
Oil Changed		Client Info		<b>Not Changd</b>	Filtered	Changed
Filter Changed		Client Info		<b>Not Changd</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	ATTENTION	ATTENTION

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>13</b>	9	12
Chromium	ppm	ASTM D5185m	>20	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m	>3	<b>2</b>	2	<1
Aluminum	ppm	ASTM D5185m	>20	<b>5</b>	2	4
Lead	ppm	ASTM D5185m	>40	<b>3</b>	1	5
Copper	ppm	ASTM D5185m	>330	<b>29</b>	23	2
Tin	ppm	ASTM D5185m	>15	<b>2</b>	<1	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

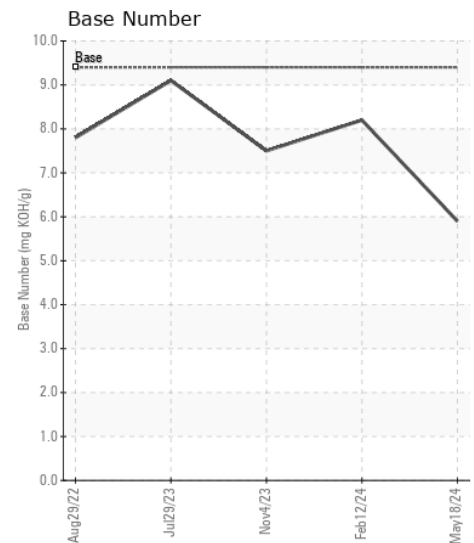
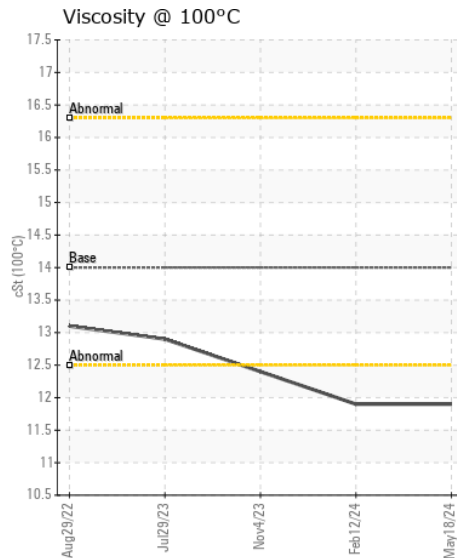
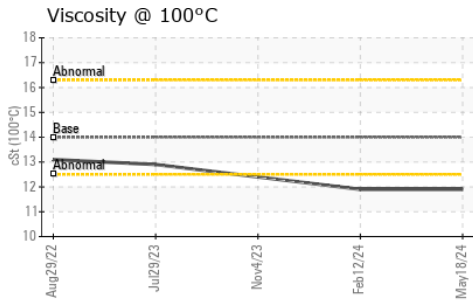
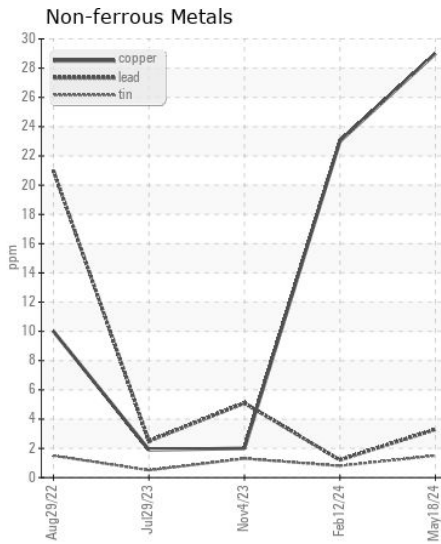
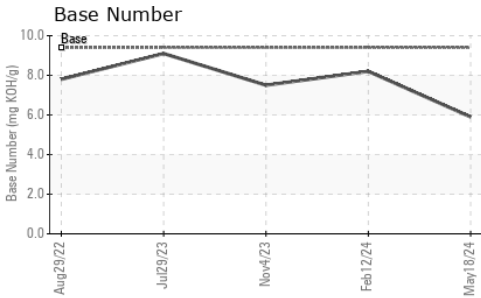
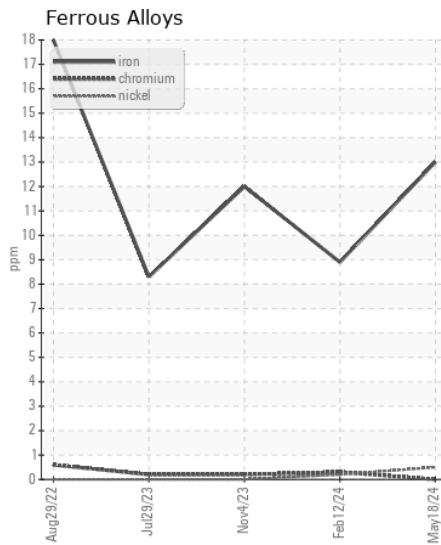
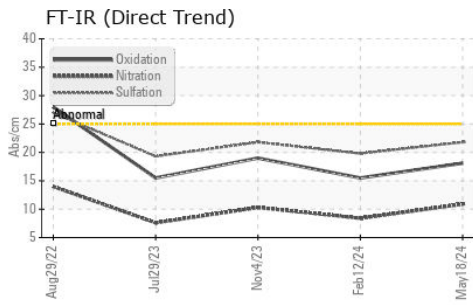
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>4</b>	4	4
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	4	1
Fuel		WC Method	>5	<b>&lt;1.0</b>	▲ 2.8	▲ 2.9
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844	>3	<b>0.5</b>	0.3	0.6
Nitration	Abs/cm	*ASTM D7624	>20	<b>10.9</b>	8.4	10.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.8</b>	19.8	21.8
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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>7</b>	0	1
Boron	ppm	ASTM D5185m	0	<b>3</b>	1	2
Barium	ppm	ASTM D5185m	0	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185m	0	<b>63</b>	59	59
Manganese	ppm	ASTM D5185m		<b>2</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>933</b>	● 870	● 966
Calcium	ppm	ASTM D5185m		<b>1071</b>	● 928	● 1053
Phosphorus	ppm	ASTM D5185m		<b>844</b>	909	1018
Zinc	ppm	ASTM D5185m		<b>1243</b>	1111	1276
Sulfur	ppm	ASTM D5185m		<b>3473</b>	2831	3026
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>18.1</b>	15.5	19.0
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	<b>5.9</b>	8.2	7.5
Visc @ 100°C	cSt	ASTM D445	14	<b>11.9</b>	11.9	12.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RPL0021084  
**Lab Number** : 06190195  
**Unique Number** : 11046947  
**Test Package** : FLEET

**Received** : 24 May 2024  
**Tested** : 29 May 2024  
**Diagnosed** : 29 May 2024 - Sean Felton

**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)

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F: