



WEAR

NORMAL

CONTAMINATION

MARGINAL

FLUID CONDITION

ATTENTION

OIL ANALYSIS REPORT

Area

(00000)

Machine Id

HINO 846-4623

Component

Diesel Engine

Fluid

MOBIL DELVAC 1300 SUPER15W40 (18 QTS)

RECOMMENDATION

No corrective action is recommended at this time. Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0019341	RPL0017548	RPL0017433
Sample Date		Client Info		20 Apr 2024	20 Jan 2024	21 Dec 2023
Machine Age	mls	Client Info		119810	114763	112016
Oil Age	mls	Client Info		7794	9230	16467
Filter Age	mls	Client Info		7794	9230	16467
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ATTENTION	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	8	5	15
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	<1	0	<1
Aluminum	ppm	ASTM D5185m	>20	2	<1	2
Lead	ppm	ASTM D5185m	>40	1	1	5
Copper	ppm	ASTM D5185m	>330	0	1	2
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

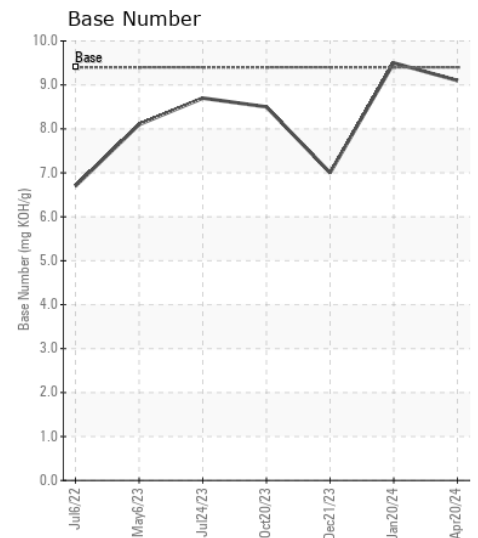
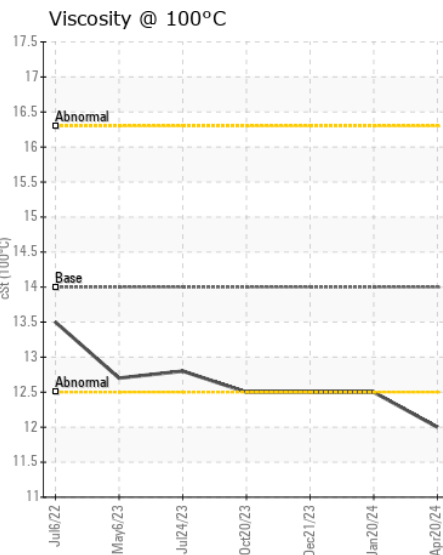
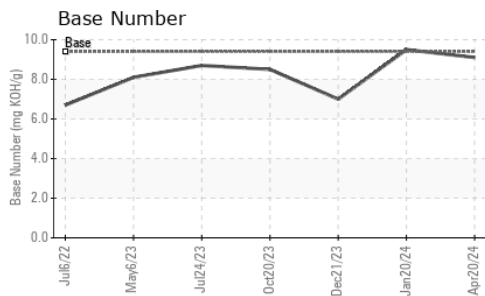
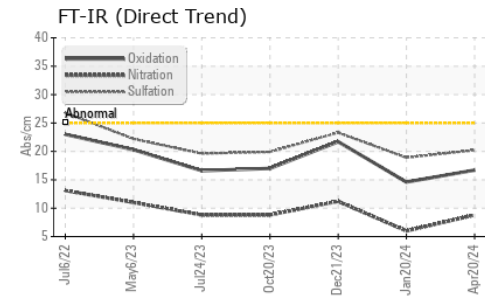
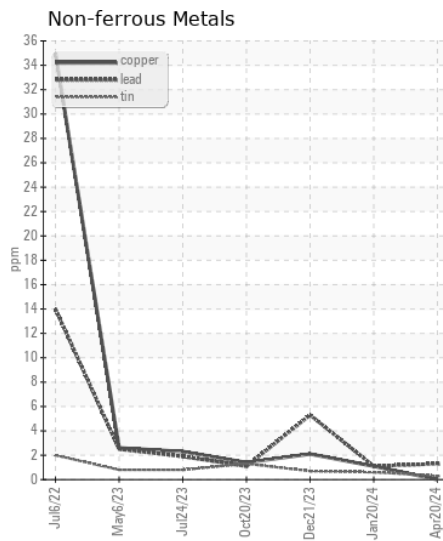
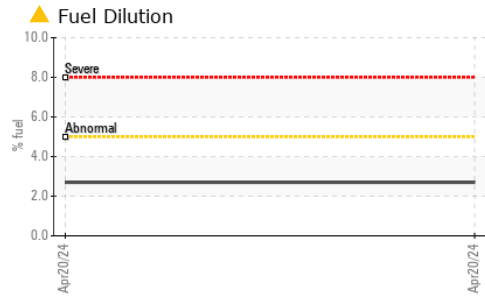
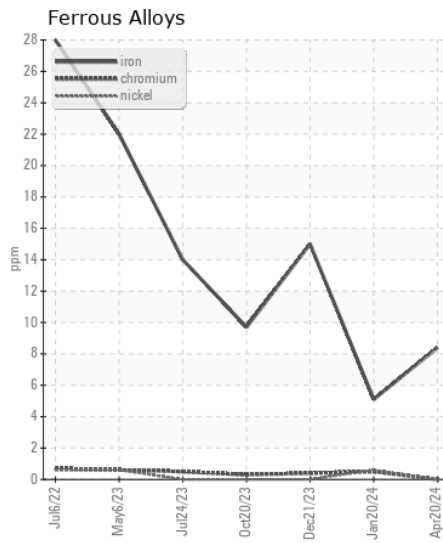
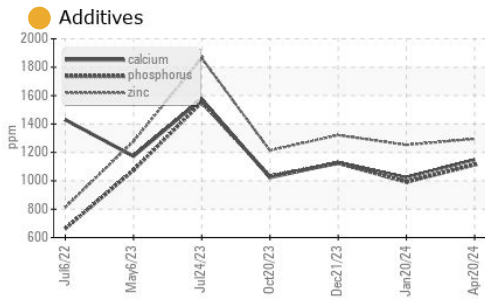
Light fuel dilution occurring. No other contaminants were detected in the oil.

Silicon	ppm	ASTM D5185m	>25	3	5	4
Potassium	ppm	ASTM D5185m	>20	<1	1	0
Fuel	%	ASTM D3524	>5	▲ 2.7	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.5	0.2	0.8
Nitration	Abs/cm	*ASTM D7624	>20	8.8	6.0	11.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.2	18.9	23.3
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil. 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		1	0	2
Boron	ppm	ASTM D5185m	0	2	2	2
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	63	62	67
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	● 993	994	1032
Calcium	ppm	ASTM D5185m		1148	1021	1128
Phosphorus	ppm	ASTM D5185m		● 1113	991	1123
Zinc	ppm	ASTM D5185m		1295	1252	1321
Sulfur	ppm	ASTM D5185m		3638	3152	3052
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.7	14.6	21.7
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	9.1	9.5	7.0
Visc @ 100°C	cSt	ASTM D445	14	12.0	12.5	12.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0019341
Lab Number : 06175322
Unique Number : 11021375
Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel)

Received : 10 May 2024
Tested : 15 May 2024
Diagnosed : 15 May 2024 - Wes Davis

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: