

Machine Id HINO 8464620 Component Diesel Engine Fluid MOBIL DELVAC 1300 SUPER 15W40 (16 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. The fluid was specified as MOBIL DELVAC 1300 SUPER 15W40, however, a fluid match indicates that this fluid is SAE 30 Diesel Engine Oil. Please confirm the oil type and grade on your next sample.

WEAR

All component wear rates are normal.

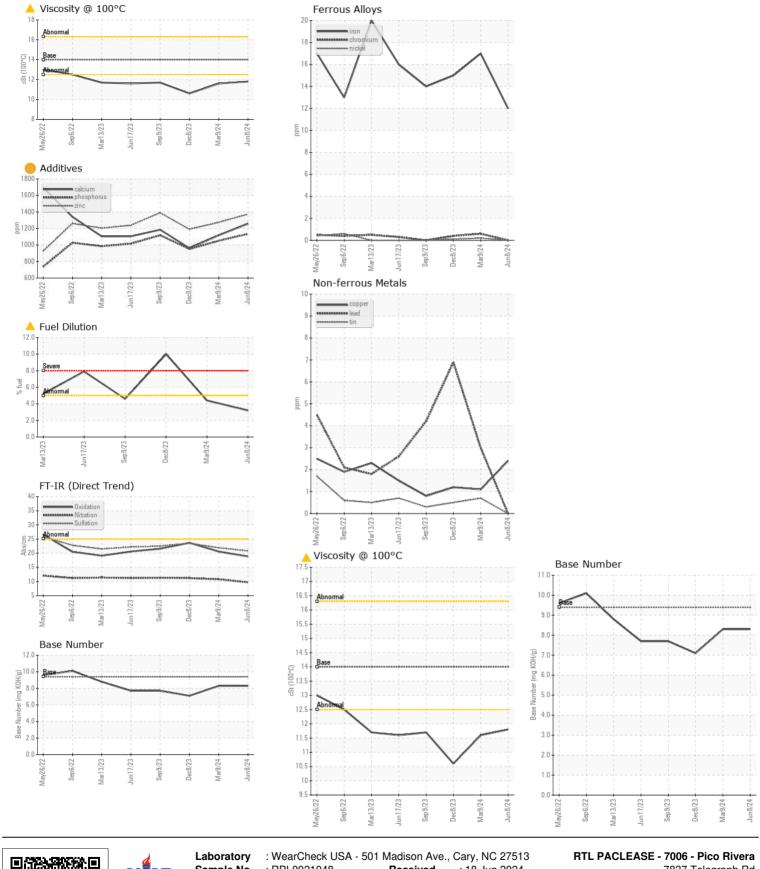
CONTAMINATION

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

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0021048	RPL0019443	RPL0016835
Sample Date		Client Info		08 Jun 2024	09 Mar 2024	08 Dec 2023
Machine Age	mls	Client Info		188165	178307	167097
Oil Age	mls	Client Info		9858	11210	11481
Filter Age	mls	Client Info		9858	11210	11481
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	SEVERE
Iron	ppm	ASTM D5185m	>100	12	17	15
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	2	3	3
Lead	ppm	ASTM D5185m	>40	0	3	7
Copper	ppm	ASTM D5185m	>330	2	1	1
Tin	ppm	ASTM D5185m	>15	0	<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
Silicon	ppm	ASTM D5185m	>25	3	4	3
Potassium	ppm	ASTM D5185m	>20	<1	3	3
Fuel	%	ASTM D3524	>5	A 3.2	4.4	▲ 10.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.5	0.7	0.9
Nitration	Abs/cm	*ASTM D7624	>20	9.7	10.8	11.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.8	21.9	23.5
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
Sodium	ppm	ASTM D5185m		2	<1	2
Boron	ppm	ASTM D5185m	0	2	2	2
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	66	64	54
Manganese	ppm	ASTM D5185m	J	<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	1099	965	883
Calcium	ppm	ASTM D5185m	J	1257	1117	961
Phosphorus	ppm	ASTM D5185m		1134	1050	951
Zinc	ppm	ASTM D5185m		1373	1274	1191
Sulfur	ppm	ASTM D5185m		3829	3298	2885
Oxidation	Abs/.1mm	*ASTM D3185111	>25	18.8	20.6	23.7
Base Number (BN)	mg KOH/g	ASTM D7414 ASTM D2896	9.4	8.3	8.3	7.1
Visc @ 100°C	cSt	ASTM D2090 ASTM D445	9.4 14		▲ 11.6	
	001	AG HVI D443	14	11.8	0.11	1 0.6



RTL PACLEASE - 7006 - Pico Rivera Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 7837 Telegraph Rd Sample No. : RPL0021048 Received : 18 Jun 2024 Pico Rivera, CA Lab Number : 06213182 Tested : 24 Jun 2024 : 24 Jun 2024 - Wes Davis US 90660 Unique Number : 11086046 Diagnosed Test Package : FLEET (Additional Tests: FUELDILUTION, PercentFuel) Contact: GERARDO CARROLA Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. carrolag@rushenterprises.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Т: F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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