



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Area
(L5S51811)
Machine Id
HINO 846-4622
Component
Diesel Engine
Fluid
MOBIL DELVAC 1300 SUPER15W40 (25 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0017350	RPL0015508	RPL0013463
Sample Date		Client Info		29 Dec 2023	07 Oct 2023	18 Jul 2023
Machine Age	mls	Client Info		109998	103179	0
Oil Age	mls	Client Info		13986	0	0
Filter Age	mls	Client Info		13986	0	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Filter Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				ATTENTION	MARGINAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	20	12	4
Chromium	ppm	ASTM D5185m	>20	<1	<1	0
Nickel	ppm	ASTM D5185m	>4	<1	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	<1	<1	0
Aluminum	ppm	ASTM D5185m	>20	3	1	3
Lead	ppm	ASTM D5185m	>40	4	1	0
Copper	ppm	ASTM D5185m	>330	5	5	2
Tin	ppm	ASTM D5185m	>15	1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

There is no indication of any contamination in the oil.

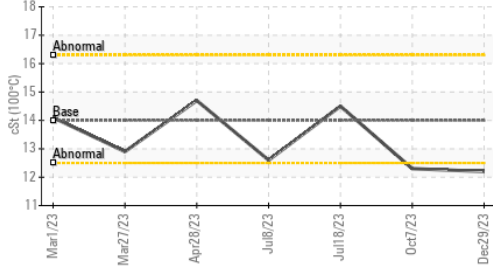
Silicon	ppm	ASTM D5185m	>25	4	3	5
Potassium	ppm	ASTM D5185m	>20	0	0	4
Fuel		WC Method	>5	<1.0	▲ 2.6	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.7	0.4	0.2
Nitration	Abs/cm	*ASTM D7624	>20	11.2	8.9	7.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.4	20.7	19.5
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

FLUID CONDITION

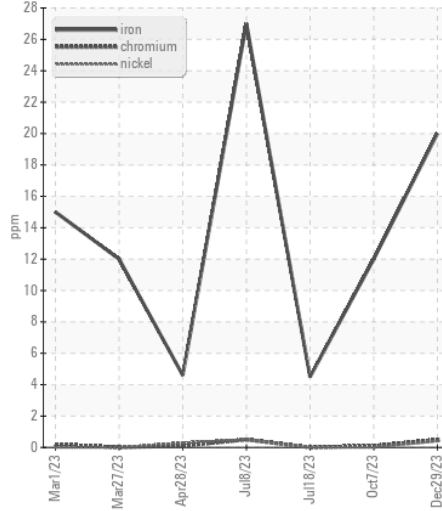
The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		0	2	1
Boron	ppm	ASTM D5185m	0	0	1	3
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	61	57	58
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m	0	966	856	943
Calcium	ppm	ASTM D5185m		1059	1023	1173
Phosphorus	ppm	ASTM D5185m		966	887	974
Zinc	ppm	ASTM D5185m		1270	1101	1194
Sulfur	ppm	ASTM D5185m		2996	2686	3466
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.2	17.9	16.2
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	6.8	8.8	8.4
Visc @ 100°C	cSt	ASTM D445	14	▲ 12.2	▲ 12.3	14.5

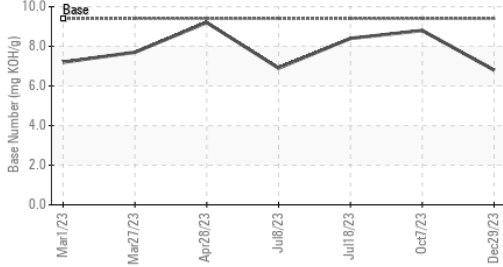
▲ Viscosity @ 100°C



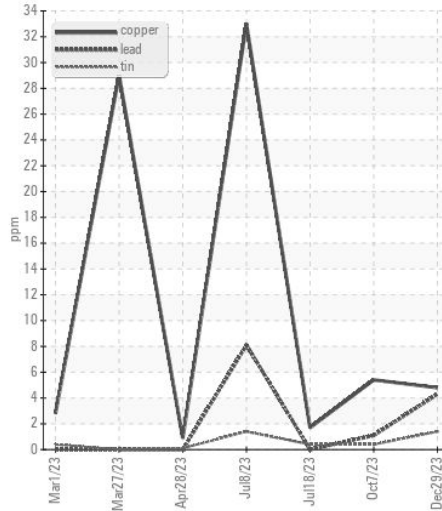
Ferrous Alloys



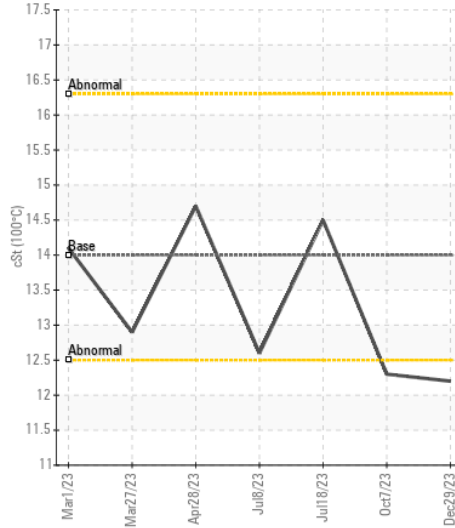
Base Number



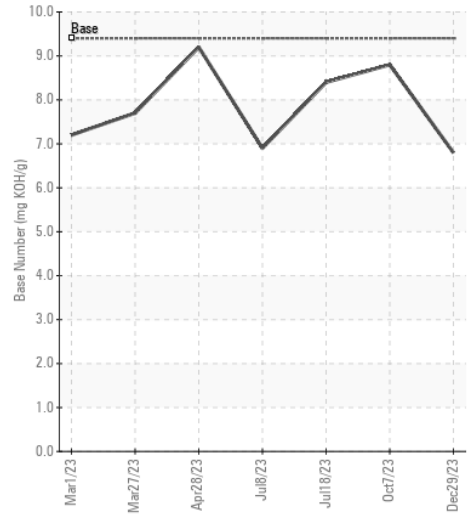
Non-ferrous Metals



▲ Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0017350 **Received** : 11 Jan 2024
Lab Number : 06057842 **Diagnosed** : 12 Jan 2024
Unique Number : 10829224 **Diagnostician** : Don Baldrige
Test Package : FLEET

RTL PACLEASE - 7006 - Pico Rivera
 7837 Telegraph Rd
 Pico Rivera, CA
 US 90660
 Contact: Rudy Trevizo
 TrevizoR@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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