



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	MARGINAL

Machine Id
846-4338
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1300 SUPER15W40 (--- GAL)

RECOMMENDATION

We advise that you check the fuel injection system. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is a moderate amount of fuel present in the oil.

FLUID CONDITION

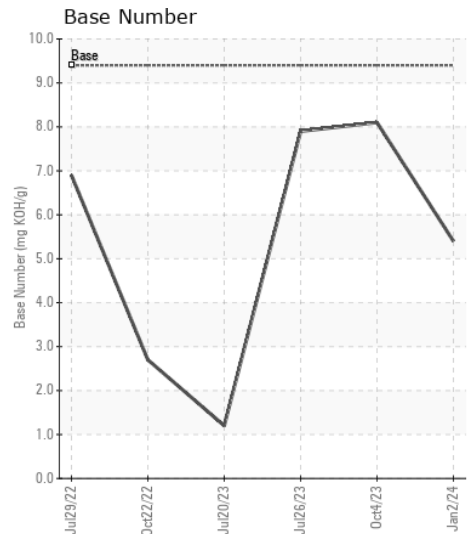
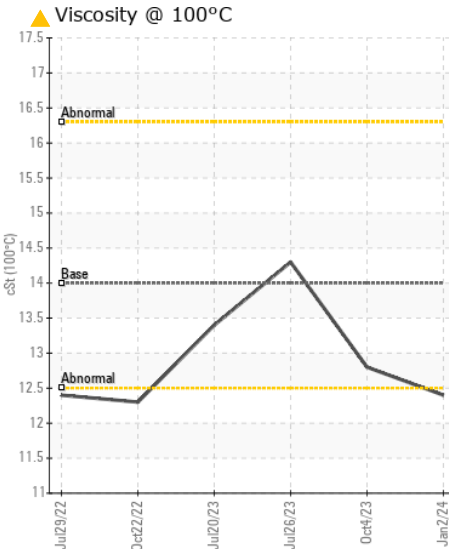
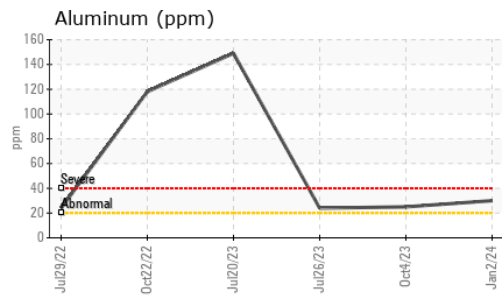
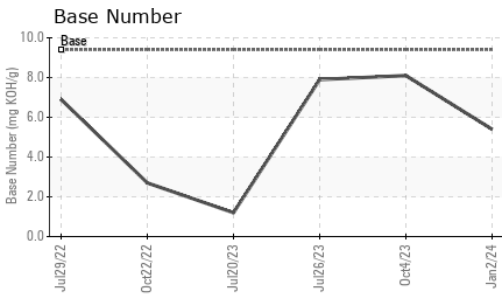
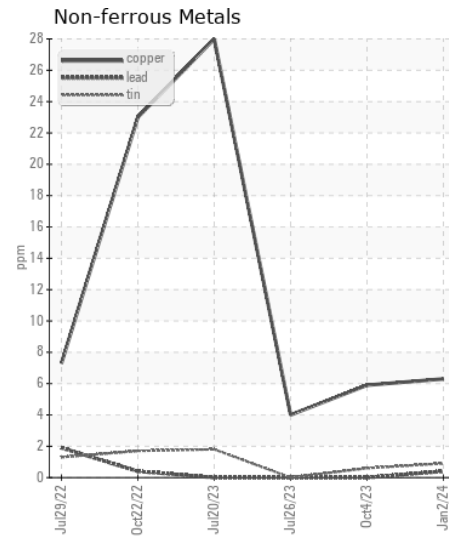
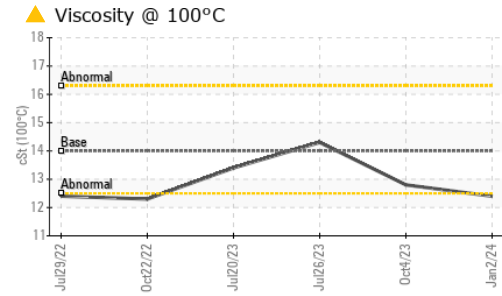
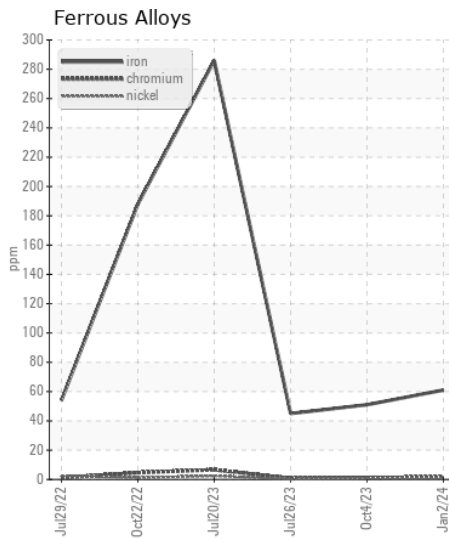
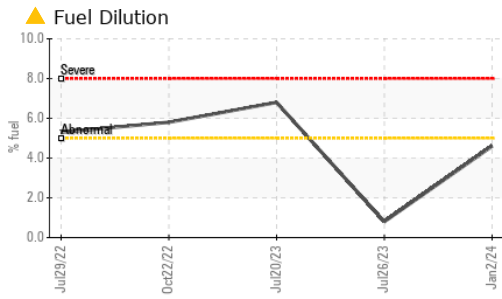
Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0016076	RPL0011254	RPL0011375
Sample Date		Client Info		02 Jan 2024	04 Oct 2023	26 Jul 2023
Machine Age	mls	Client Info		140559	0	127437
Oil Age	mls	Client Info		13196	0	127437
Filter Age	mls	Client Info		13196	0	127437
Oil Changed		Client Info		N/A	Not Changd	N/A
Filter Changed		Client Info		N/A	Not Changd	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

Iron	ppm	ASTM D5185m	>100	61	51	45
Chromium	ppm	ASTM D5185m	>20	2	1	<1
Nickel	ppm	ASTM D5185m	>4	<1	<1	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	<1	<1	0
Aluminum	ppm	ASTM D5185m	>20	30	25	24
Lead	ppm	ASTM D5185m	>40	<1	0	0
Copper	ppm	ASTM D5185m	>330	6	6	4
Tin	ppm	ASTM D5185m	>15	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>25	12	11	8
Potassium	ppm	ASTM D5185m	>20	62	56	53
Fuel	%	ASTM D3524	>5	▲ 4.6	<1.0	0.8
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.9	0.6	0.4
Nitration	Abs/cm	*ASTM D7624	>20	12.7	10.5	7.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.5	23.5	21.3
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

Sodium	ppm	ASTM D5185m		3	4	2
Boron	ppm	ASTM D5185m	0	11	11	16
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	42	42	42
Manganese	ppm	ASTM D5185m		1	1	<1
Magnesium	ppm	ASTM D5185m	0	776	766	792
Calcium	ppm	ASTM D5185m		1096	1124	1156
Phosphorus	ppm	ASTM D5185m		858	889	853
Zinc	ppm	ASTM D5185m		1030	1052	1029
Sulfur	ppm	ASTM D5185m		2683	2736	3191
Oxidation	Abs/.1mm	*ASTM D7414	>25	29.1	23.6	19.5
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	5.4	8.1	7.9
Visc @ 100°C	cSt	ASTM D445	14	▲ 12.4	12.8	14.3



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0016076 **Received** : 17 Jan 2024
Lab Number : 06063445 **Diagnosed** : 24 Jan 2024
Unique Number : 10834827 **Diagnostician** : Doug Bogart
Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel)

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Certificate L2367
 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)