



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
INTERNATIONAL 441458
Component
Diesel Engine
Fluid
MOBIL DELVAC 1300 SUPER15W40 (20 QTS)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		IL0030577	IL0030491	IL0030439
Sample Date		Client Info		08 Jan 2024	16 Oct 2023	19 Jul 2023
Machine Age	mls	Client Info		46255	36165	23394
Oil Age	mls	Client Info		46255	36165	23394
Filter Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	N/A
Filter Changed		Client Info		N/A	Changed	N/A
Sample Status				ATTENTION	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>90	14	16	24
Chromium	ppm	ASTM D5185m	>20	<1	<1	1
Nickel	ppm	ASTM D5185m	>2	<1	0	0
Titanium	ppm	ASTM D5185m	>2	<1	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	5	9	7
Lead	ppm	ASTM D5185m	>40	<1	0	0
Copper	ppm	ASTM D5185m	>330	2	3	14
Tin	ppm	ASTM D5185m	>15	1	0	<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

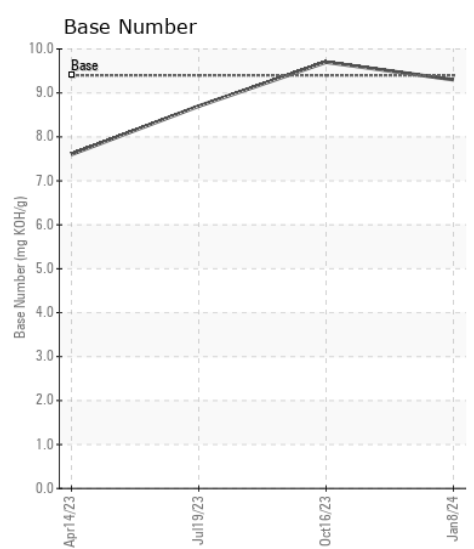
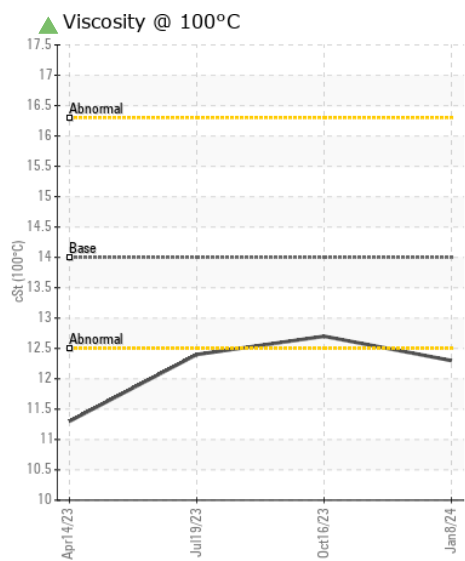
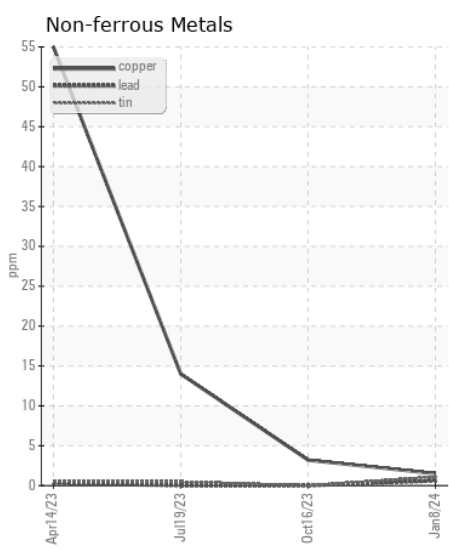
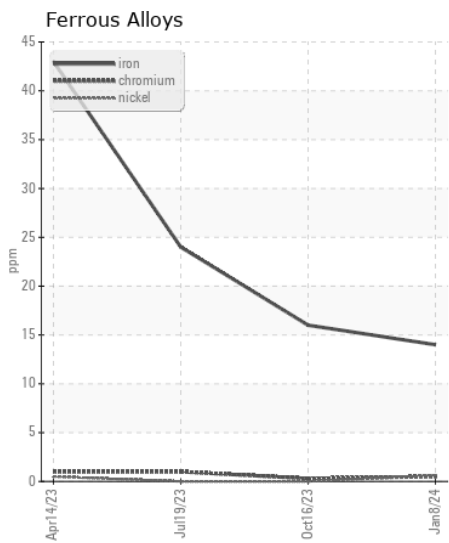
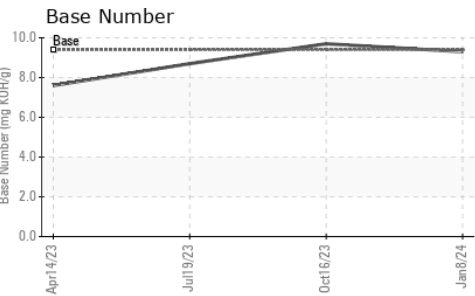
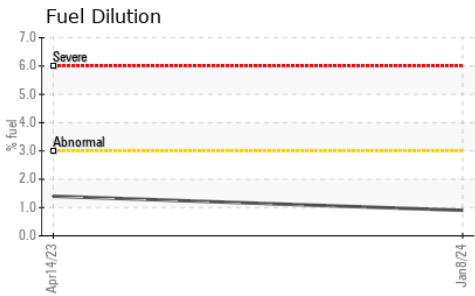
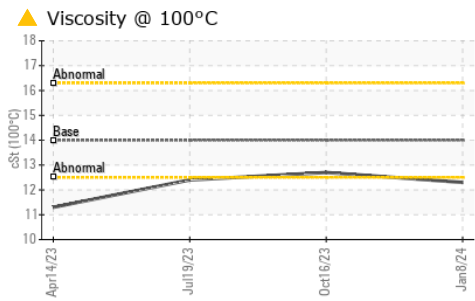
Fuel content negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	5	6	10
Potassium	ppm	ASTM D5185m	>20	13	21	20
Fuel	%	ASTM D3524	>3.0	0.9	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>6	0.2	0.3	0.3
Nitration	Abs/cm	*ASTM D7624	>20	6.8	7.4	7.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.7	19.6	19.8
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	<1	2
Boron	ppm	ASTM D5185m	0	4	2	8
Barium	ppm	ASTM D5185m	0	13	5	0
Molybdenum	ppm	ASTM D5185m	0	67	60	62
Manganese	ppm	ASTM D5185m		<1	0	2
Magnesium	ppm	ASTM D5185m	0	905	906	976
Calcium	ppm	ASTM D5185m		1079	1034	1160
Phosphorus	ppm	ASTM D5185m		966	977	977
Zinc	ppm	ASTM D5185m		1185	1193	1223
Sulfur	ppm	ASTM D5185m		3557	3368	3712
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.4	15.7	16.7
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	9.3	9.7	8.7
Visc @ 100°C	cSt	ASTM D445	14	▲ 12.3	12.7	12.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : IL0030577 **Received** : 12 Feb 2024
Lab Number : 06086539 **Tested** : 14 Feb 2024
Unique Number : 10873984 **Diagnosed** : 14 Feb 2024 - Don Baldrige
Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel)

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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)