



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
66674
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1300 SUPER 15W40 (18 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. (Customer Sample Comment: Hours=5,519)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		IL0033805	IL0022793	IL0015222
Sample Date		Client Info		11 Jun 2024	23 May 2022	29 Oct 2020
Machine Age	mls	Client Info		48804	29170	14217
Oil Age	mls	Client Info		19634	14953	0
Filter Age	mls	Client Info		0	14593	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	100	56	84
Chromium	ppm	ASTM D5185m	>20	<1	<1	1
Nickel	ppm	ASTM D5185m	>4	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>3	0	<1	<1
Aluminum	ppm	ASTM D5185m	>20	22	15	▲ 32
Lead	ppm	ASTM D5185m	>40	0	<1	0
Copper	ppm	ASTM D5185m	>330	3	2	28
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	<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.

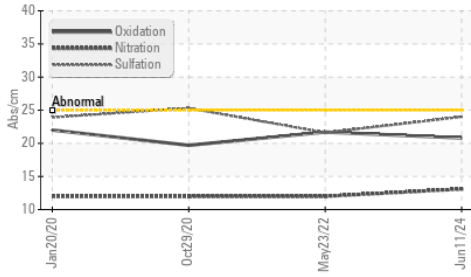
Silicon	ppm	ASTM D5185m	>25	8	7	10
Potassium	ppm	ASTM D5185m	>20	28	21	▲ 85
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	1.2	0.7	0.8
Nitration	Abs/cm	*ASTM D7624	>20	13.1	12.0	12
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.0	21.6	25.3
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

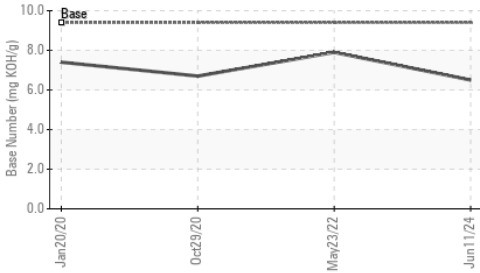
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		3	2	2
Boron	ppm	ASTM D5185m	0	5	41	20
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	64	38	19
Manganese	ppm	ASTM D5185m		2	<1	2
Magnesium	ppm	ASTM D5185m	0	924	490	669
Calcium	ppm	ASTM D5185m		1131	1580	1474
Phosphorus	ppm	ASTM D5185m		1025	722	719
Zinc	ppm	ASTM D5185m		1225	907	860
Sulfur	ppm	ASTM D5185m		3720	2474	2491
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.8	21.7	19.7
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	6.5	7.9	6.7
Visc @ 100°C	cSt	ASTM D445	14	12.5	12.7	12.5

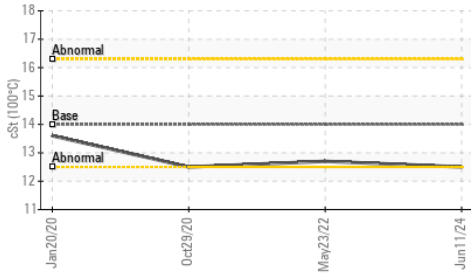
FT-IR (Direct Trend)



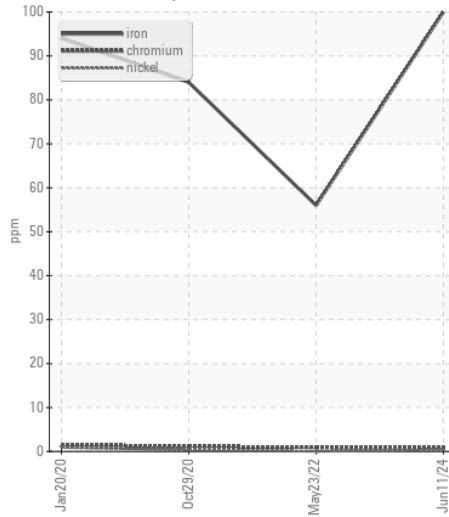
Base Number



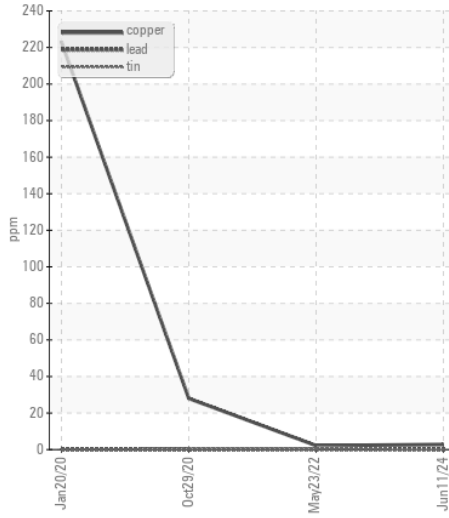
Viscosity @ 100°C



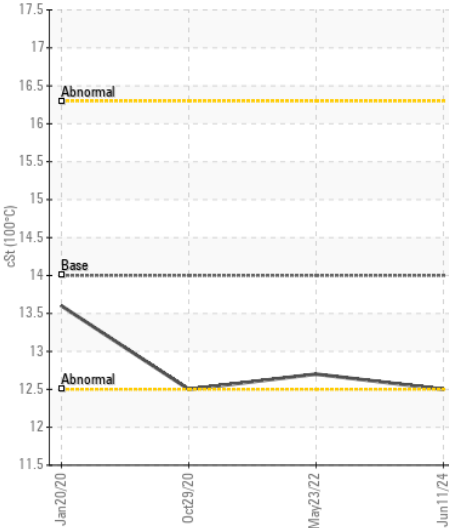
Ferrous Alloys



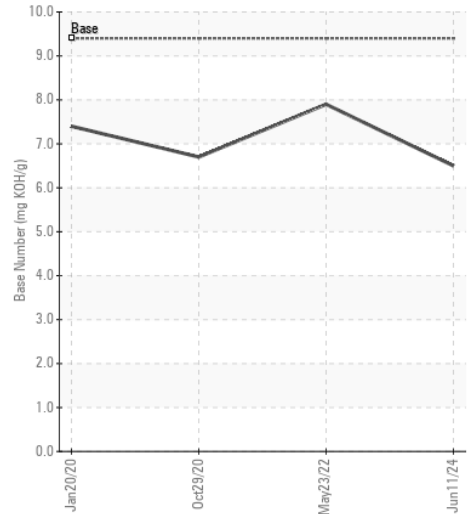
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : IL0033805
Lab Number : 06212849
Unique Number : 11085713
Test Package : FLEET

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 1333 AMERON DR
 CHARLOTTE, NC
 US 28206
 Contact: JERRY DIXON
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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)