



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
INTERNATIONAL I6325
Component
Diesel Engine
Fluid
MOBIL DELVAC 1300 SUPER15W40 (44 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		IL0018546	IL0006993	ILMFC27672
Sample Date		Client Info		22 Dec 2023	27 Aug 2021	29 Jul 2019
Machine Age	mls	Client Info		321324	217900	108655
Oil Age	mls	Client Info		20000	29000	15000
Filter Age	mls	Client Info		20000	29000	15000
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>165	33	34	15
Chromium	ppm	ASTM D5185m	>5	2	2	1
Nickel	ppm	ASTM D5185m	>4	<1	0	<1
Titanium	ppm	ASTM D5185m	>2	<1	<1	0
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>20	3	4	4
Lead	ppm	ASTM D5185m	>150	7	12	2
Copper	ppm	ASTM D5185m	>90	1	2	3
Tin	ppm	ASTM D5185m	>5	1	<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

CONTAMINATION

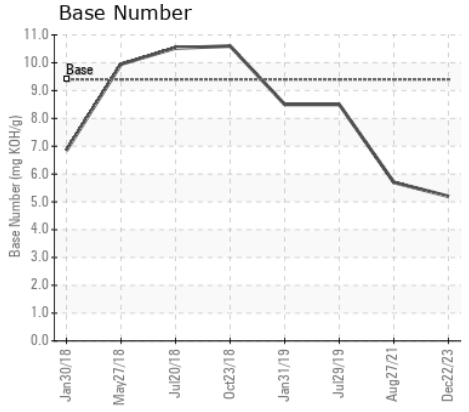
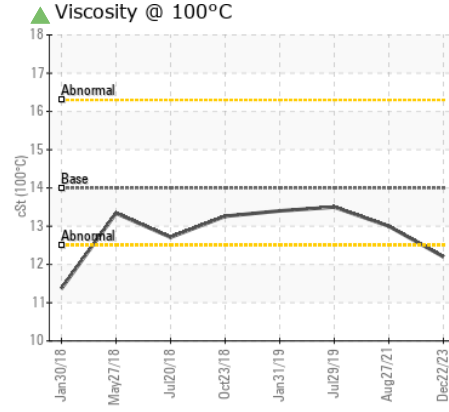
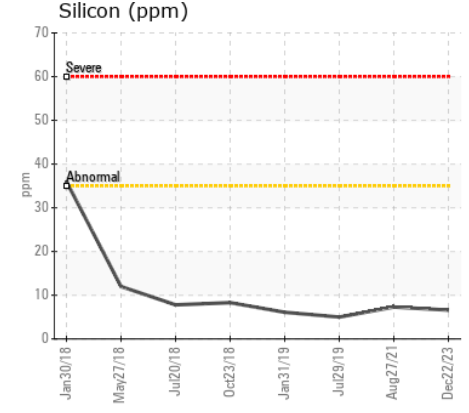
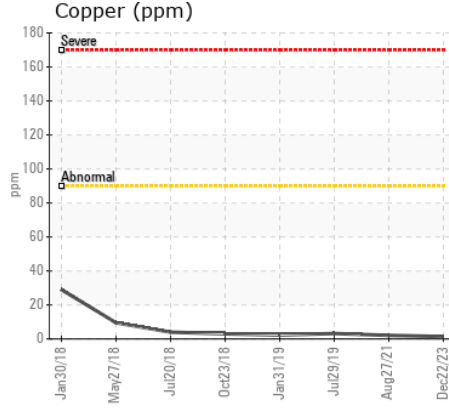
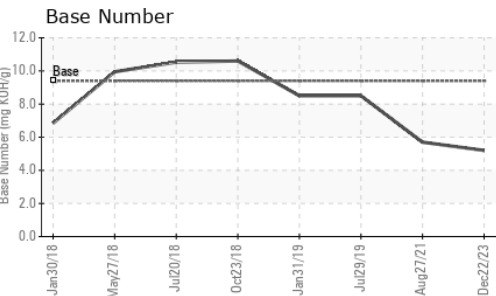
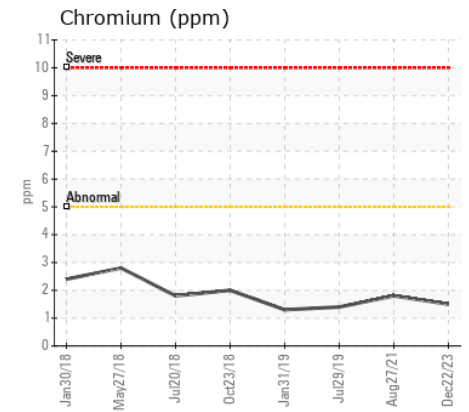
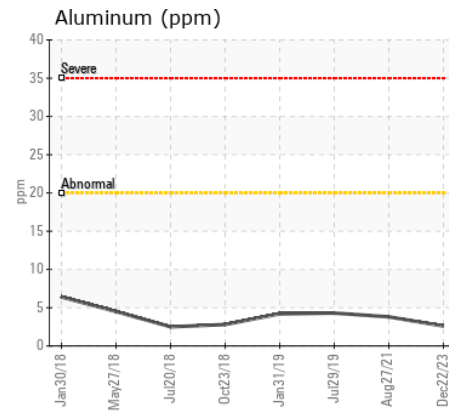
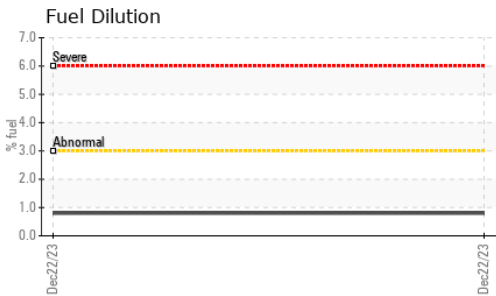
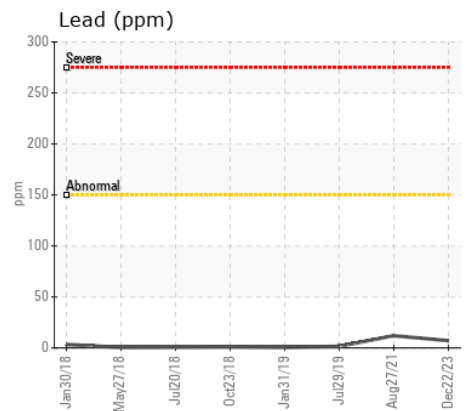
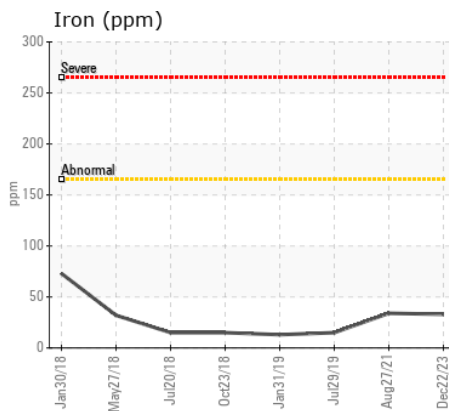
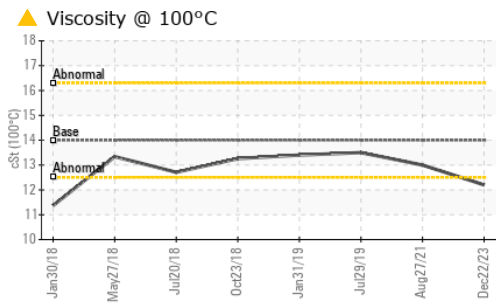
Fuel content negligible. No other contaminants were detected in the oil.

Silicon	ppm	ASTM D5185m	>35	7	7	5
Potassium	ppm	ASTM D5185m	>20	5	4	10
Fuel	%	ASTM D3524	>3.0	0.8	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>7.5	0.9	0.9	0.6
Nitration	Abs/cm	*ASTM D7624	>20	13.0	10.7	10.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.5	25.8	24.5
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		2	9	7
Boron	ppm	ASTM D5185m	0	29	32	32
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	70	3	38
Manganese	ppm	ASTM D5185m		1	<1	2
Magnesium	ppm	ASTM D5185m	0	560	726	474
Calcium	ppm	ASTM D5185m		1459	1315	1566
Phosphorus	ppm	ASTM D5185m		675	743	633
Zinc	ppm	ASTM D5185m		879	865	795
Sulfur	ppm	ASTM D5185m		2689	2485	1828
Oxidation	Abs/.1mm	*ASTM D7414	>25	25.8	20.2	24.2
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	5.2	5.7	8.5
Visc @ 100°C	cSt	ASTM D445	14	▲ 12.2	13.0	13.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : IL0018546 **Received** : 09 Jan 2024
Lab Number : 06055280 **Diagnosed** : 11 Jan 2024
Unique Number : 10821229 **Diagnostician** : Sean Felton
Test Package : MOB1+ (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)