IDEALEASE FLEET

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
INTERNATIONAL 441418
Component
Diesel Engine
Fluid
MOBIL DELVAC 1300 SUPER15W40 (20 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

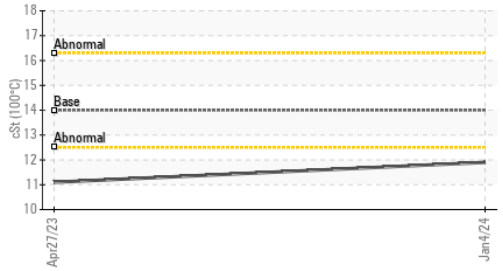
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

FLUID CONDITION

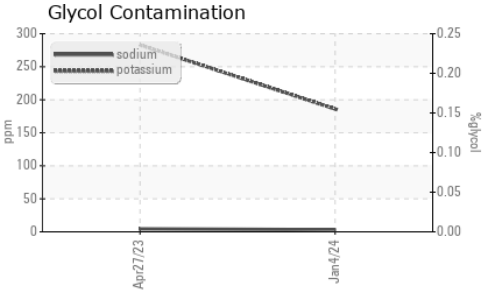
The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		IL0030573	IL0026564	---
Sample Date		Client Info		04 Jan 2024	27 Apr 2023	---
Machine Age	hrs	Client Info		32269	0	---
Oil Age	hrs	Client Info		32269	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ATTENTION	ABNORMAL	---
Iron	ppm	ASTM D5185m	>90	53	68	---
Chromium	ppm	ASTM D5185m	>20	3	4	---
Nickel	ppm	ASTM D5185m	>2	0	<1	---
Titanium	ppm	ASTM D5185m	>2	<1	<1	---
Silver	ppm	ASTM D5185m	>2	0	0	---
Aluminum	ppm	ASTM D5185m	>20	74	89	---
Lead	ppm	ASTM D5185m	>40	0	<1	---
Copper	ppm	ASTM D5185m	>330	10	74	---
Tin	ppm	ASTM D5185m	>15	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>25	11	▲ 26	---
Potassium	ppm	ASTM D5185m	>20	186	283	---
Fuel	%	ASTM D3524	>3.0	<1.0	▲ 2.5	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>6	0.4	0.4	---
Nitration	Abs/cm	*ASTM D7624	>20	8.0	10.2	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.6	19.4	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---
Sodium	ppm	ASTM D5185m		3	4	---
Boron	ppm	ASTM D5185m	0	7	24	---
Barium	ppm	ASTM D5185m	0	<1	2	---
Molybdenum	ppm	ASTM D5185m	0	63	53	---
Manganese	ppm	ASTM D5185m		2	5	---
Magnesium	ppm	ASTM D5185m	0	974	761	---
Calcium	ppm	ASTM D5185m		1041	1208	---
Phosphorus	ppm	ASTM D5185m		1005	653	---
Zinc	ppm	ASTM D5185m		1214	880	---
Sulfur	ppm	ASTM D5185m		3246	2270	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.2	18.5	---
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	8.3	6.3	---
Visc @ 100°C	cSt	ASTM D445	14	▲ 11.9	▲ 11.1	---

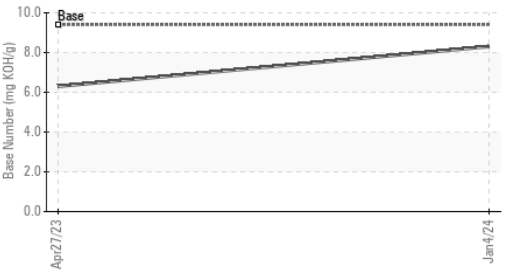
Viscosity @ 100°C



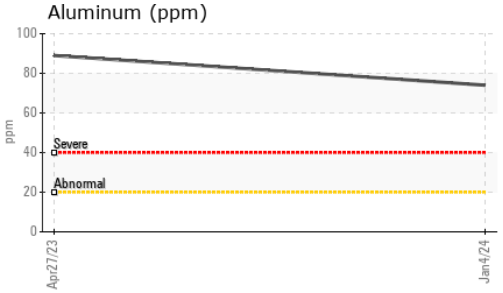
Glycol Contamination



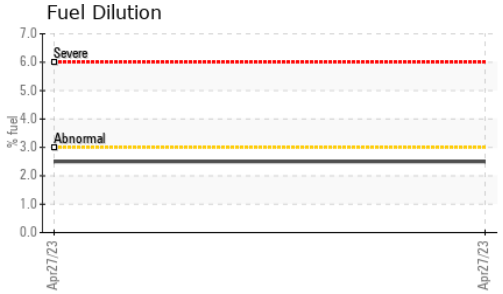
Base Number



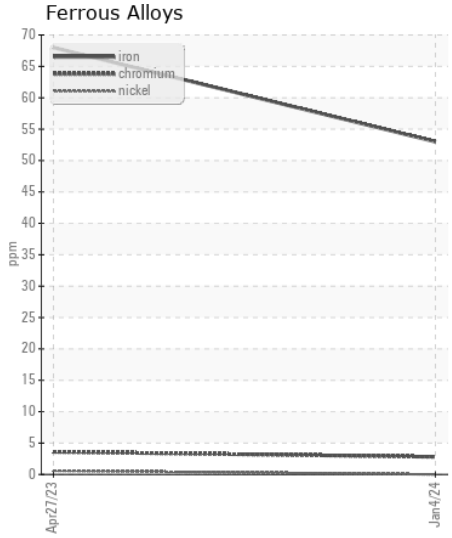
Aluminum (ppm)



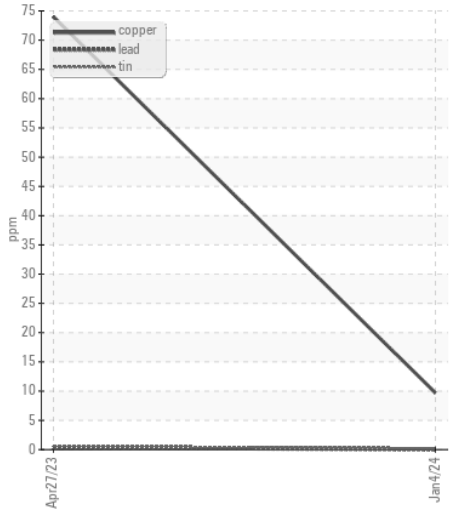
Fuel Dilution



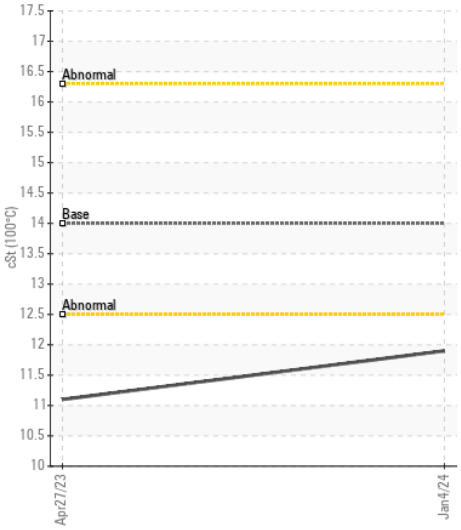
Ferrous Alloys



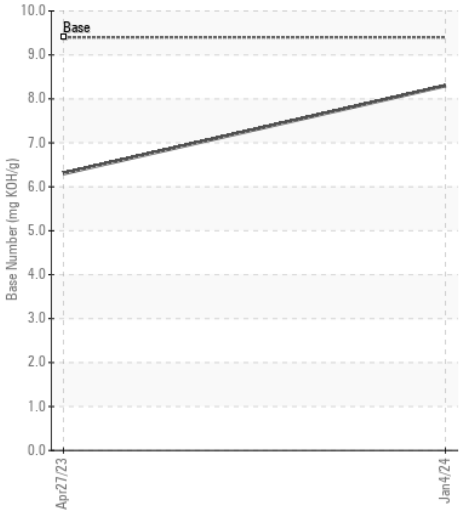
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : IL0030573 **Recieved** : 18 Jan 2024
Lab Number : 06064823 **Diagnosed** : 22 Jan 2024
Unique Number : 10836205 **Diagnostician** : Sean Felton
Test Package : FLEET (Additional Tests: FuelDilution)

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)

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