OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
135-12
Component
Natural Gas Engine
Fluid
{not provided} (30 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

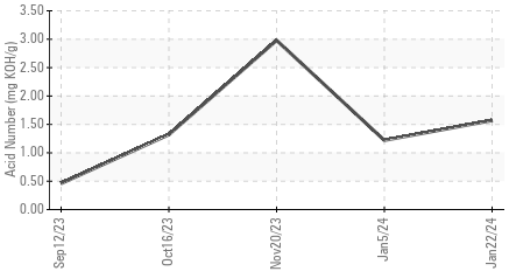
There is no indication of any contamination in the oil.

FLUID CONDITION

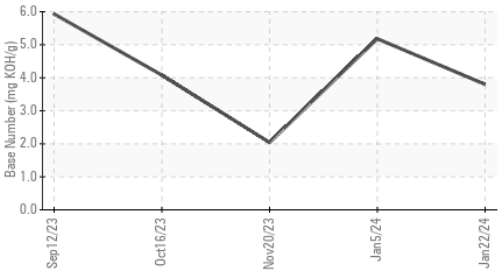
The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		KL0011517	KL0012993	KL0011512
Sample Date		Client Info		22 Jan 2024	05 Jan 2024	20 Nov 2023
Machine Age	hrs	Client Info		10627	10244	9202
Oil Age	hrs	Client Info		1034	648	1783
Filter Age	hrs	Client Info		1034	648	40
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>50	6	5	17
Chromium	ppm	ASTM D5185m	>4	0	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	<1	<1
Titanium	ppm	ASTM D5185m		36	40	16
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	1	2	2
Lead	ppm	ASTM D5185m	>30	9	8	▲ 24
Copper	ppm	ASTM D5185m	>35	14	12	▲ 21
Tin	ppm	ASTM D5185m	>4	<1	<1	1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>+100	3	4	7
Potassium	ppm	ASTM D5185m	>20	0	2	2
Water		WC Method	>0.1	NEG	NEG	NEG
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	11.7	10.8	11.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.8	21.1	27.3
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	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		2	0	2
Boron	ppm	ASTM D5185m		77	89	25
Barium	ppm	ASTM D5185m		0	2	2
Molybdenum	ppm	ASTM D5185m		32	18	225
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		42	21	10
Calcium	ppm	ASTM D5185m		1597	1481	1462
Phosphorus	ppm	ASTM D5185m		361	407	344
Zinc	ppm	ASTM D5185m		427	402	382
Sulfur	ppm	ASTM D5185m		2559	2778	3593
Oxidation	Abs/.1mm	*ASTM D7414	>25	28.1	24.6	33.9
Acid Number (AN)	mg KOH/g	ASTM D8045		1.57	1.22	▲ 2.98
Base Number (BN)	mg KOH/g	ASTM D2896		3.80	5.18	▲ 2.04
Visc @ 100°C	cSt	ASTM D445		14.6	14.2	14.7

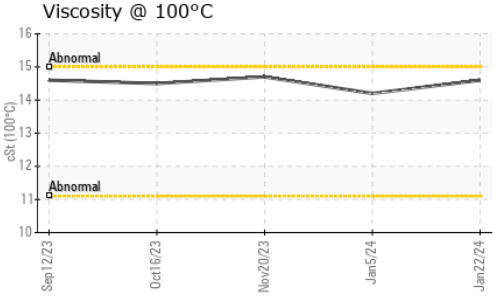
Acid Number



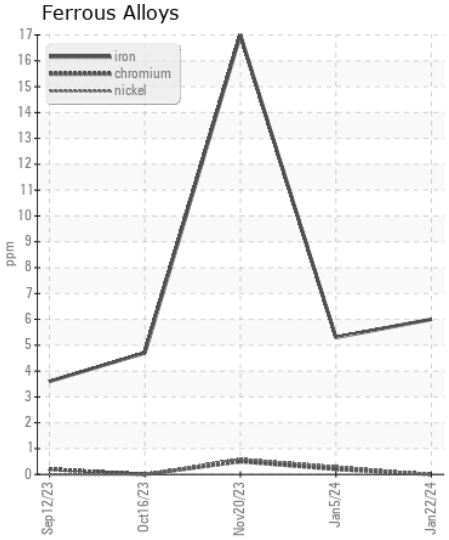
Base Number



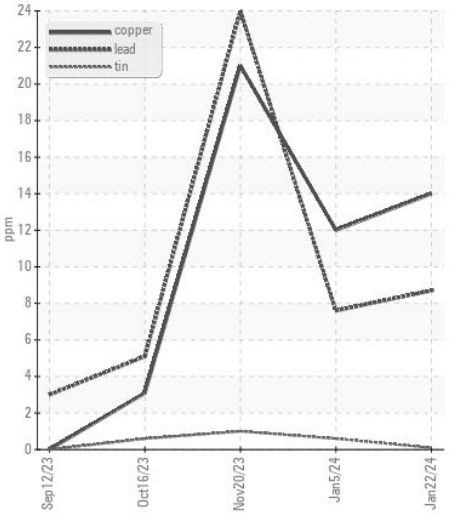
Viscosity @ 100°C



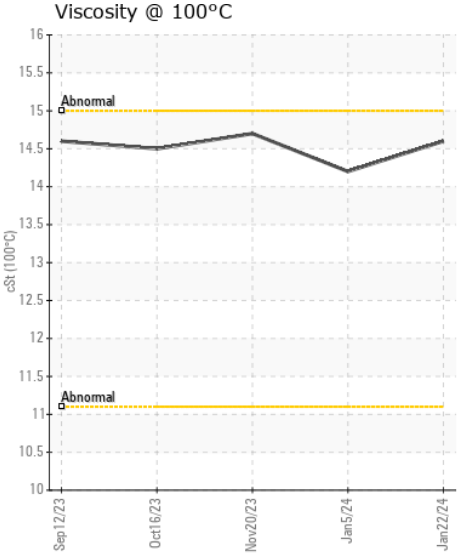
Ferrous Alloys



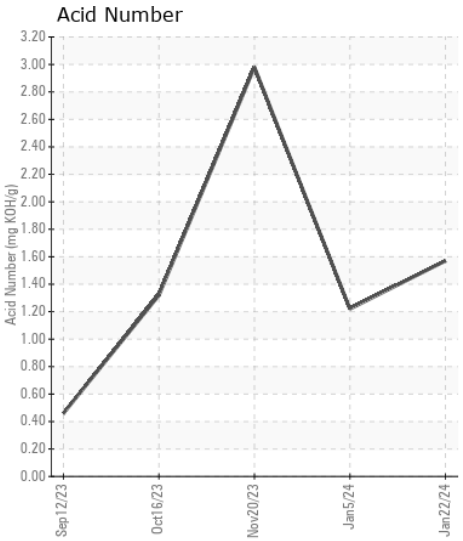
Non-ferrous Metals



Viscosity @ 100°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL0011517
Lab Number : 06073488
Unique Number : 10850165
Test Package : FLEET

Recieved : 30 Jan 2024
Diagnosed : 02 Feb 2024
Diagnostician : Jonathan Hester

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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Report Id: BASGRE [WUSCAR] 06073488 (Generated: 02/03/2024 03:09:07) Rev: 1

Submitted By: TATE MCDANIEL