



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
1933 (S/N 99737H)
 Component
Air Compressor
 Fluid
{not provided} (12 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0708407	WC0708405	WC0708404
Sample Date		Client Info		26 Jun 2024	11 May 2024	26 Feb 2024
Machine Age	hrs	Client Info		150299	149231	148504
Oil Age	hrs	Client Info		1079	1235	1458
Filter Age	hrs	Client Info		1068	1110	1058
Oil Changed		Client Info		Not Changed	N/A	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ATTENTION	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	2	2	0
Chromium	ppm	ASTM D5185m	>4	<1	0	0
Nickel	ppm	ASTM D5185m	>4	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>10	2	<1	0
Lead	ppm	ASTM D5185m	>20	<1	0	0
Copper	ppm	ASTM D5185m	>40	<1	<1	0
Tin	ppm	ASTM D5185m	>5	<1	0	<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

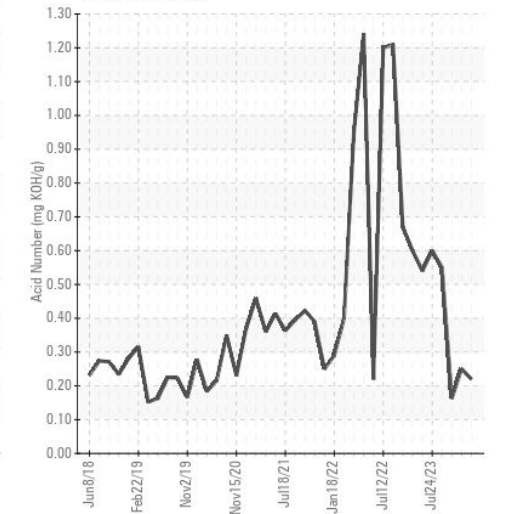
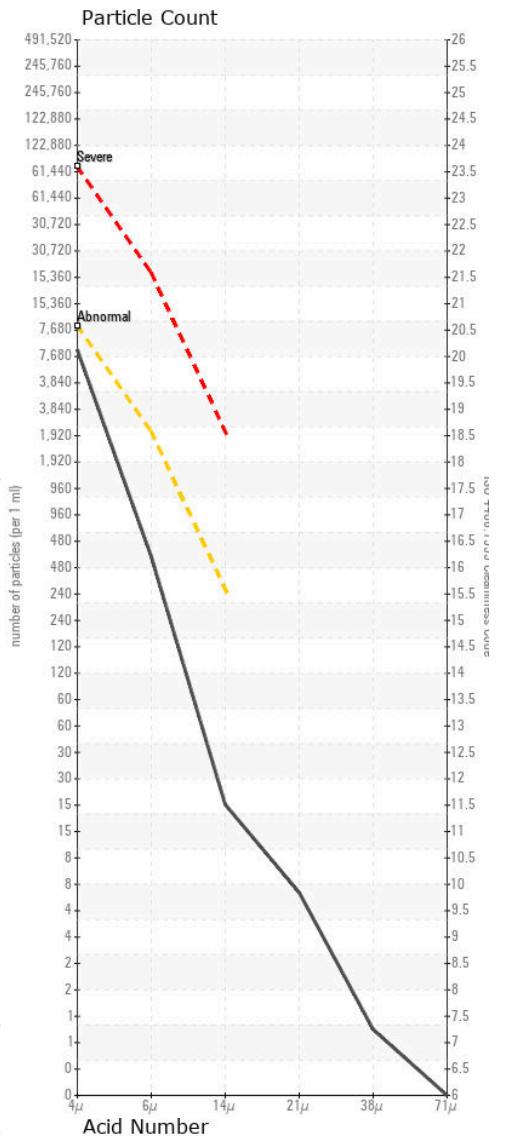
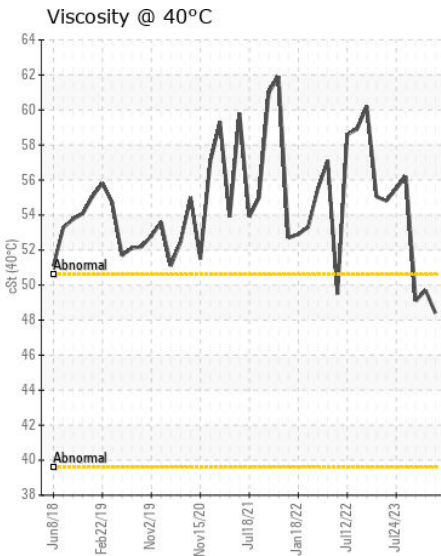
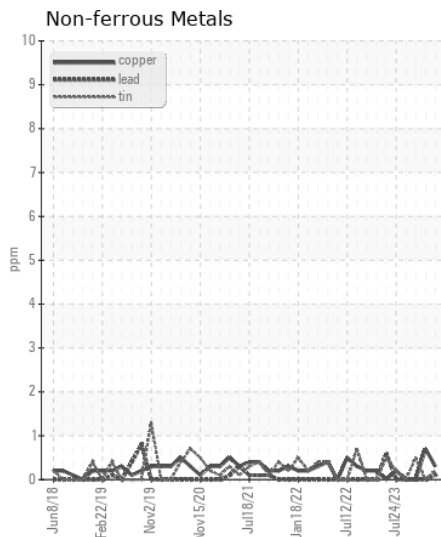
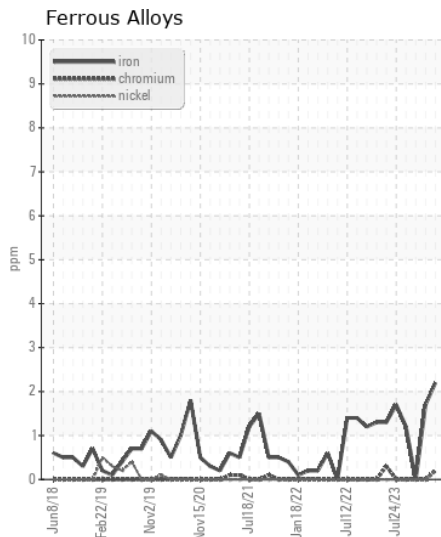
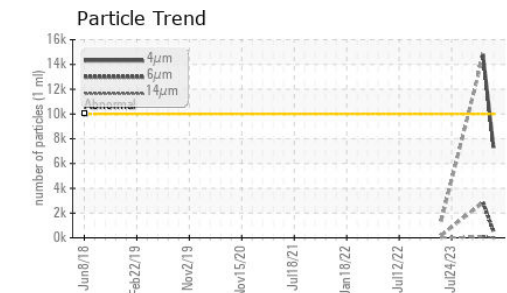
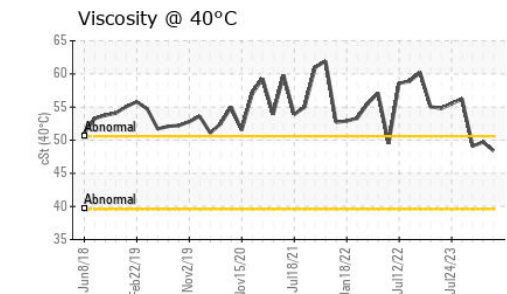
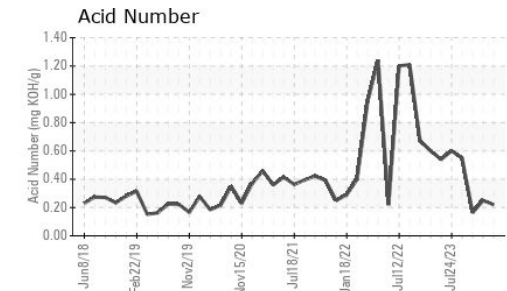
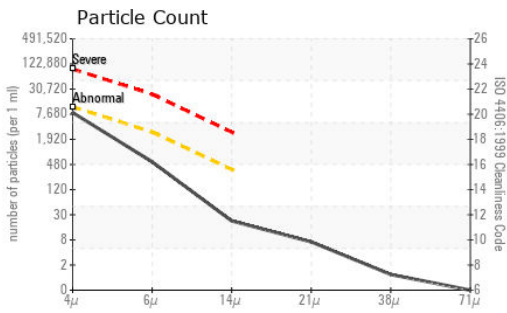
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>25	2	4	1
Potassium	ppm	ASTM D5185m	>20	1	0	0
Water		WC Method	>0.6	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	7299	14723	---
Particles >6µm		ASTM D7647	>2500	488	2851	---
Particles >14µm		ASTM D7647	>320	19	79	---
Particles >21µm		ASTM D7647	>80	6	13	---
Particles >38µm		ASTM D7647	>20	1	1	---
Particles >71µm		ASTM D7647	>4	0	1	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	20/16/11	21/19/13	---
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	>0.6	NEG	NEG	NEG

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		1	2	2
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m		0	4	0
Molybdenum	ppm	ASTM D5185m		<1	<1	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		<1	0	0
Calcium	ppm	ASTM D5185m		0	<1	0
Phosphorus	ppm	ASTM D5185m		0	15	12
Zinc	ppm	ASTM D5185m		0	5	0
Sulfur	ppm	ASTM D5185m		16	244	84
Acid Number (AN)	mg KOH/g	ASTM D8045		0.22	0.25	0.163
Visc @ 40°C	cSt	ASTM D445		48.4	49.7	49.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WC0708407

Lab Number : 06235912

Unique Number : 11124746

Test Package : PLANT

Received : 15 Jul 2024

Tested : 16 Jul 2024

Diagnosed : 16 Jul 2024 - Don Baldridge

MACLEAN COMPONENT SOLUTIONS

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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)