



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
WQ
Machine Id
ALLIS CHALMERS 00139
Component
Final Drive
Fluid
{not provided} (--- GAL)

RECOMMENDATION

We suspect abnormal metal contamination may be due to sampling method. No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

Moderate concentration of visible metal present. All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

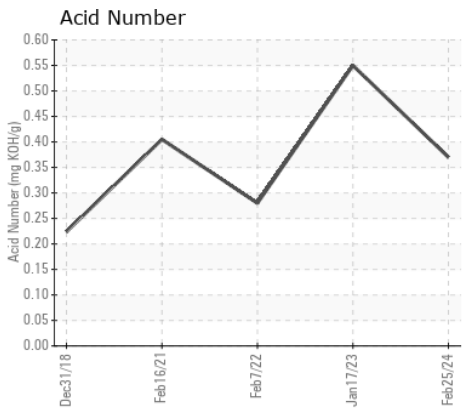
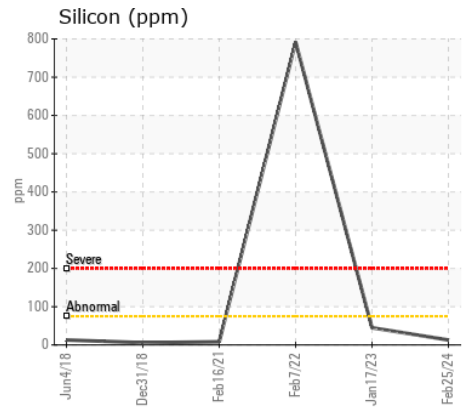
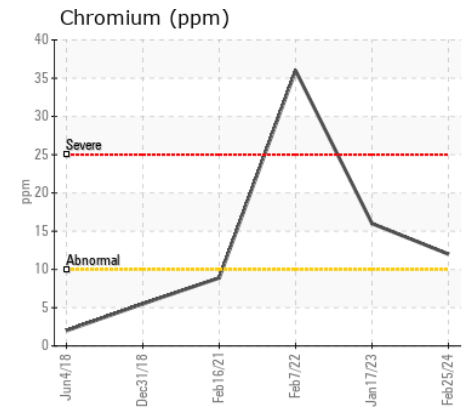
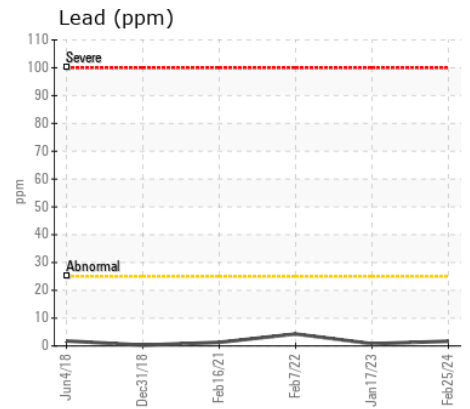
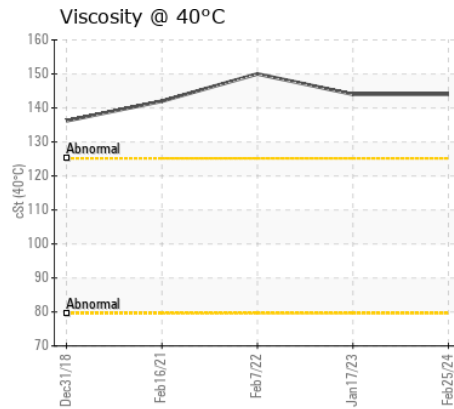
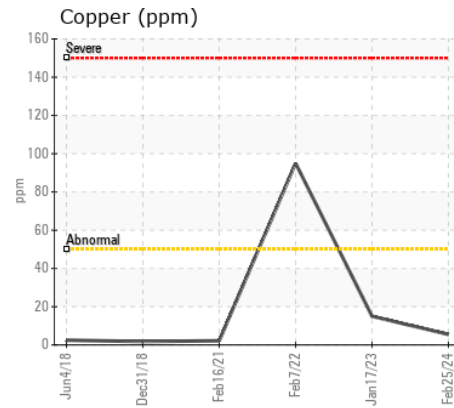
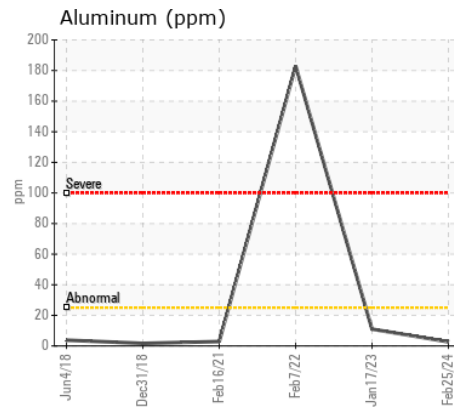
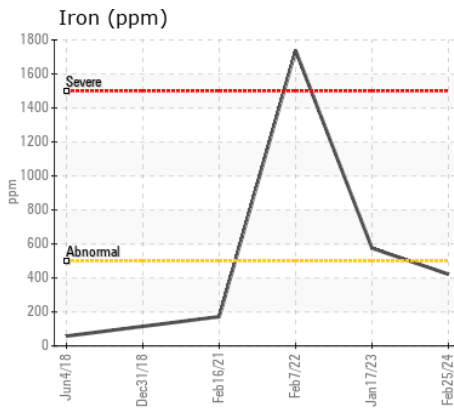
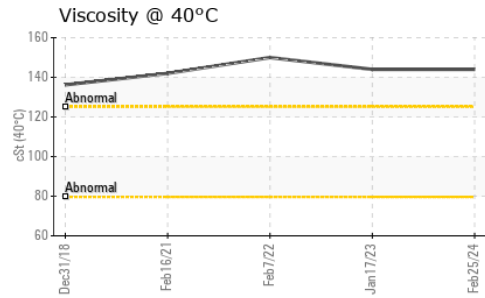
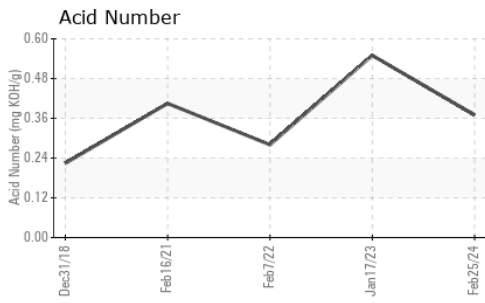
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LP0001376	WC0570599	WC0524244
Sample Date		Client Info		25 Feb 2024	17 Jan 2023	07 Feb 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	SEVERE

Iron	ppm	ASTM D5185m	>500	422	▲ 575	▲ 1738
Chromium	ppm	ASTM D5185m	>10	12	▲ 16	▲ 36
Nickel	ppm	ASTM D5185m	>10	1	1	4
Titanium	ppm	ASTM D5185m		2	4	8
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	3	11	● 183
Lead	ppm	ASTM D5185m	>25	2	<1	4
Copper	ppm	ASTM D5185m	>50	6	15	▲ 95
Tin	ppm	ASTM D5185m	>10	<1	<1	1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	MODER	LIGHT
Yellow Metal	scalar	*Visual	NONE	▲ MODER	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	13	45	▲ 792
Potassium	ppm	ASTM D5185m	>20	2	3	78
Water		WC Method	>0.2	NEG	NEG	NEG
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	● HAZY	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	0.2%	NEG

Sodium	ppm	ASTM D5185m		2	4	52
Boron	ppm	ASTM D5185m		5	17	5
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	1	4
Manganese	ppm	ASTM D5185m		6	7	19
Magnesium	ppm	ASTM D5185m		3	11	13
Calcium	ppm	ASTM D5185m		13	15	36
Phosphorus	ppm	ASTM D5185m		203	241	195
Zinc	ppm	ASTM D5185m		18	36	76
Sulfur	ppm	ASTM D5185m		5860	7816	12976
Acid Number (AN)	mg KOH/g	ASTM D8045		0.37	0.55	0.28
Visc @ 40°C	cSt	ASTM D445		144	144	150



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LP0001376
Lab Number : 06100264
Unique Number : 10898494
Test Package : MOB 2

Received : 26 Feb 2024
Tested : 27 Feb 2024
Diagnosed : 28 Feb 2024 - Jonathan Hester

S.M. LORUSSO & SONS
 221 NORFOLK ST.
 WALPOLE, MA
 US 02081
 Contact: PAUL BECKMAN
 pbeckman@smlorusso.com
 T: (508)668-2603
 F: (508)660-0232

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)