



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
EXTRUDER-031 (S/N 17783)
 Component
Gearbox
 Fluid
CHEVRON MEROPA 220 (22 GAL)

RECOMMENDATION

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0898937	WC0782441	WC0766957
Sample Date		Client Info		16 Apr 2024	01 Jun 2023	14 Dec 2022
Machine Age	mths	Client Info		0	0	8
Oil Age	mths	Client Info		0	6	0
Filter Age	mths	Client Info		0	6	0
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	Changed	N/A
Sample Status				ABNORMAL	MARGINAL	NORMAL

WEAR

High concentration of visible metal present. Gear wear is indicated.

Iron	ppm	ASTM D5185m	>200	▲ 268	179	50
Chromium	ppm	ASTM D5185m	>15	2	1	<1
Nickel	ppm	ASTM D5185m	>15	2	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	4	0	<1
Lead	ppm	ASTM D5185m	>100	2	0	<1
Copper	ppm	ASTM D5185m	>200	85	1	<1
Tin	ppm	ASTM D5185m	>25	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	▲ HEAVY	▲ HEAVY	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

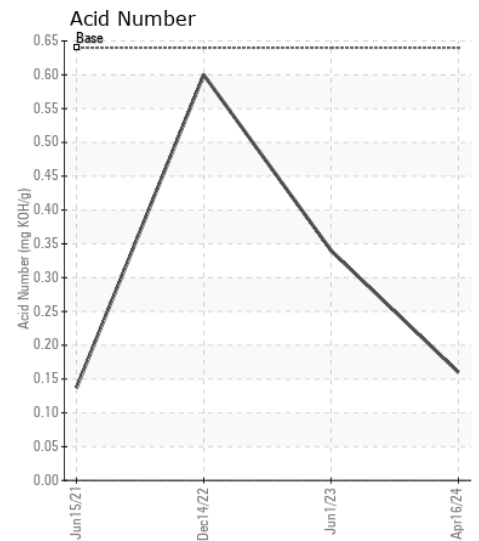
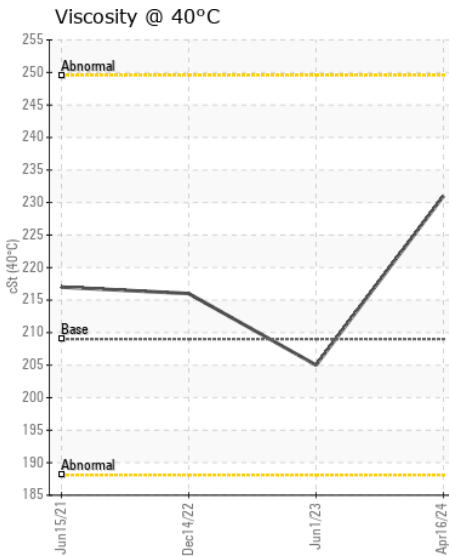
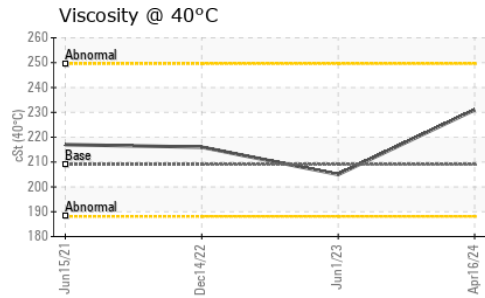
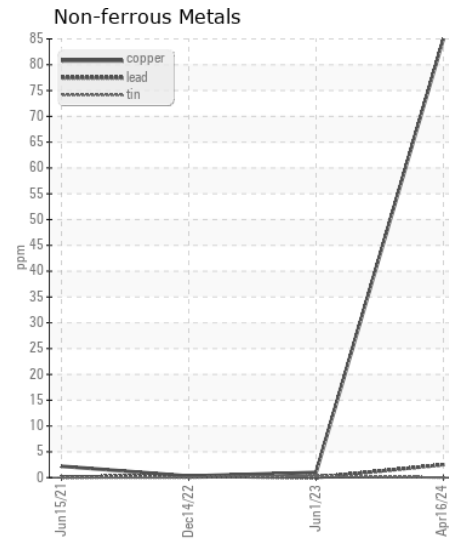
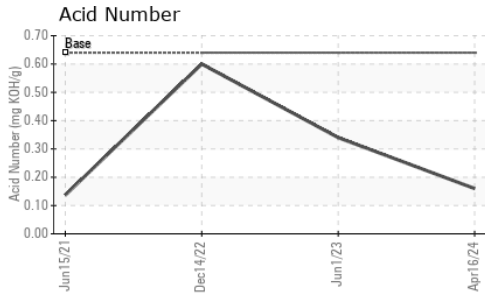
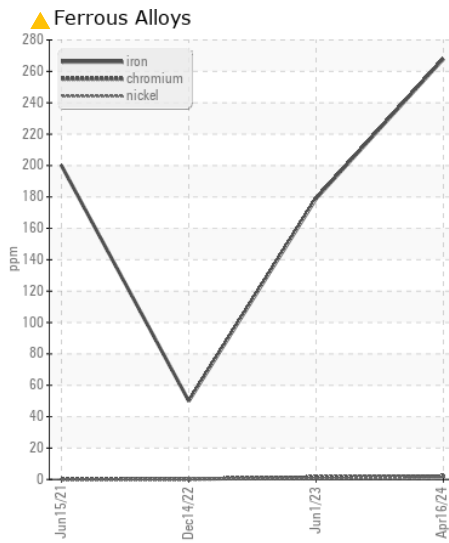
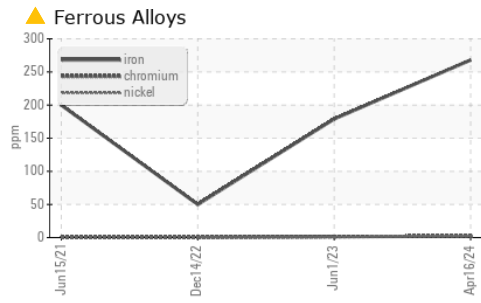
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	14	10	5
Potassium	ppm	ASTM D5185m	>20	2	1	0
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	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

FLUID CONDITION

The AN level is acceptable for this fluid.

Sodium	ppm	ASTM D5185m		1	2	2
Boron	ppm	ASTM D5185m	40	7	14	14
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		2	2	<1
Magnesium	ppm	ASTM D5185m		5	2	3
Calcium	ppm	ASTM D5185m		17	19	16
Phosphorus	ppm	ASTM D5185m	270	285	288	292
Zinc	ppm	ASTM D5185m		54	0	2
Sulfur	ppm	ASTM D5185m	8600	8344	8350	7455
Acid Number (AN)	mg KOH/g	ASTM D8045	0.64	0.16	0.34	0.60
Visc @ 40°C	cSt	ASTM D445	209	231	205	216



Certificate L2367

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

Sample No. : WC0898937

Lab Number : 06153240

Unique Number : 10983318

Test Package : IND 2

Received : 18 Apr 2024

Tested : 19 Apr 2024

Diagnosed : 23 Apr 2024 - Don Baldrige

PRINSCO - CHATSWORTH

PO BOX 727

CHATSWORTH, IL

US 60921

Contact: JUSTIN MYER

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T:

F:

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)