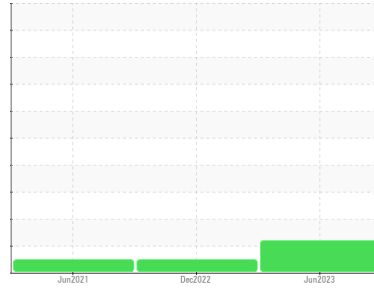




PROBLEM SUMMARY

Sample Rating Trend



VISUAL METAL



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

COMPONENT CONDITION SUMMARY

No relevant graphs to display


RECOMMENDATION

We suspect abnormal contamination may be due to sampling method. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				MARGINAL	NORMAL	NORMAL
White Metal	scalar	*Visual	NONE	▲ HEAVY	MODER	LIGHT

Customer Id: PRICHA
Sample No.: WC0782441
Lab Number: 05864458
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

14 Dec 2022 Diag: Wes Davis

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



15 Jun 2021 Diag: Don Baldrige

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



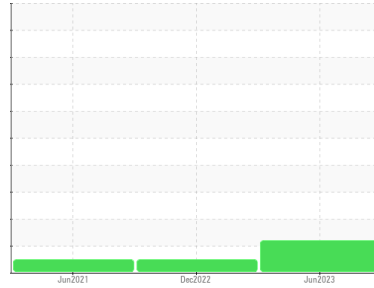


OIL ANALYSIS REPORT

Sample Rating Trend

VISUAL METAL

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



DIAGNOSIS

Recommendation

We suspect abnormal contamination may be due to sampling method. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

High 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.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0782441	WC0766957	WC0460327
Sample Date	Client Info		01 Jun 2023	14 Dec 2022	15 Jun 2021
Machine Age	mths	Client Info	0	8	0
Oil Age	mths	Client Info	6	0	0
Oil Changed	Client Info		Changed	Changed	Changed
Sample Status			MARGINAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	179	50	200
Chromium	ppm	ASTM D5185m >15	1	<1	<1
Nickel	ppm	ASTM D5185m >15	<1	<1	0
Titanium	ppm	ASTM D5185m	<1	<1	0
Silver	ppm	ASTM D5185m	0	<1	<1
Aluminum	ppm	ASTM D5185m >25	0	<1	0
Lead	ppm	ASTM D5185m >100	0	<1	<1
Copper	ppm	ASTM D5185m >200	1	<1	2
Tin	ppm	ASTM D5185m >25	<1	0	0
Antimony	ppm	ASTM D5185m >5	---	---	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 40	14	14	24
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	<1	<1	<1
Manganese	ppm	ASTM D5185m	2	<1	1
Magnesium	ppm	ASTM D5185m	2	3	0
Calcium	ppm	ASTM D5185m	19	16	3
Phosphorus	ppm	ASTM D5185m 270	288	292	12
Zinc	ppm	ASTM D5185m	0	2	0
Sulfur	ppm	ASTM D5185m 8600	8350	7455	1545

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	10	5	3
Sodium	ppm	ASTM D5185m	2	2	9
Potassium	ppm	ASTM D5185m >20	1	0	0

FLUID DEGRADATION

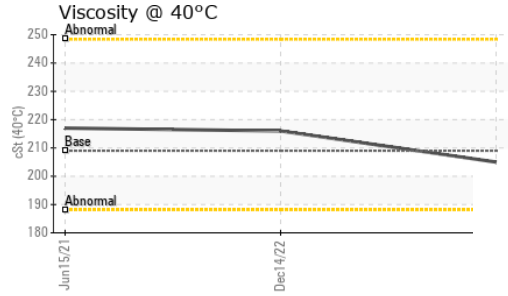
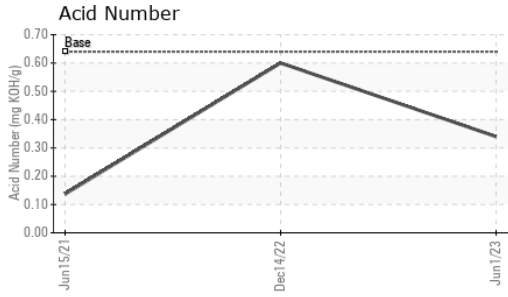
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.64	0.34	0.60	0.137

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	▲ HEAVY	MODER	LIGHT
Yellow Metal	scalar	*Visual NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE	NONE
Silt	scalar	*Visual NONE	NONE	NONE	NONE
Debris	scalar	*Visual NONE	NONE	NONE	LIGHT
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
Free Water	scalar	*Visual	NEG	NEG	NEG



OIL ANALYSIS REPORT

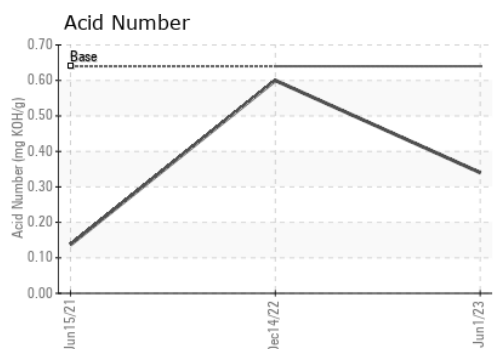
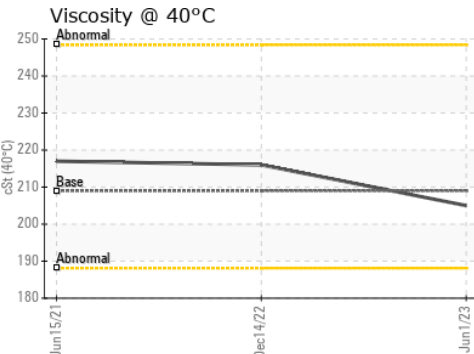
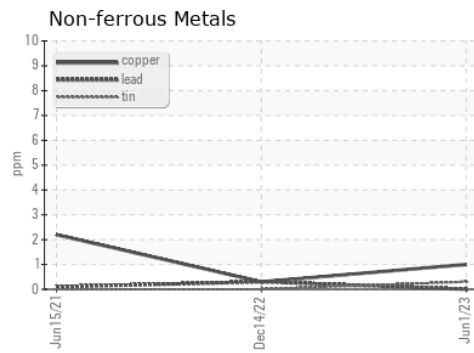
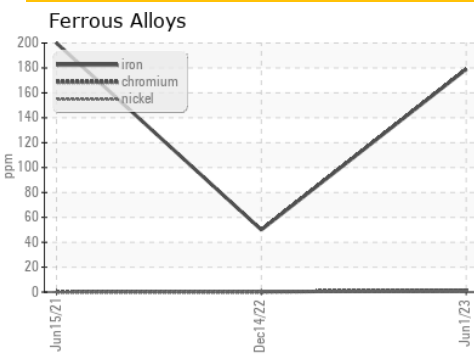


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 209	205	216	217

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0782441 **Received** : 05 Jun 2023
Lab Number : 05864458 **Diagnosed** : 06 Jun 2023
Unique Number : 10498923 **Diagnostician** : Doug Bogart
Test Package : IND 2

PRINSCO
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 CHATSWORTH, IL
 US 60921
 Contact: JUSTIN MYER
 justin.myer@prinsco.com
 T:
 F:

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)