



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
BS1
Component
Main Hydraulic System
Fluid
CHEVRON SYN ATF HD (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0743903	WC0548628	---
Sample Date		Client Info		27 Jul 2023	29 Apr 2021	---
Machine Age	hrs	Client Info		32233	0	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changed	N/A	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

The chromium level is abnormal. All other component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	8	3	---
Chromium	ppm	ASTM D5185m	>10	▲ 33	2	---
Nickel	ppm	ASTM D5185m	>10	<1	0	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	<1	---
Aluminum	ppm	ASTM D5185m	>10	2	<1	---
Lead	ppm	ASTM D5185m	>10	0	0	---
Copper	ppm	ASTM D5185m	>75	6	5	---
Tin	ppm	ASTM D5185m	>10	<1	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

There is no indication of any contamination in the oil.

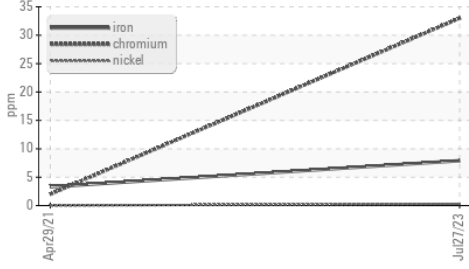
Silicon	ppm	ASTM D5185m	>20	2	16	---
Potassium	ppm	ASTM D5185m	>20	1	<1	---
Water		WC Method	>0.1	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	▲ MODER	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---

FLUID CONDITION

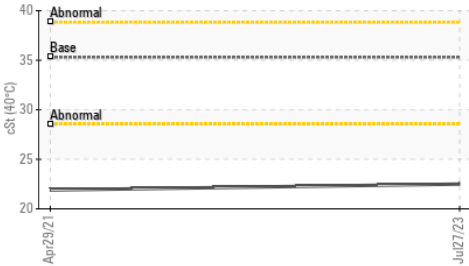
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		4	1	---
Boron	ppm	ASTM D5185m		99	112	---
Barium	ppm	ASTM D5185m		23	19	---
Molybdenum	ppm	ASTM D5185m		0	<1	---
Manganese	ppm	ASTM D5185m		<1	0	---
Magnesium	ppm	ASTM D5185m		2	<1	---
Calcium	ppm	ASTM D5185m		50	51	---
Phosphorus	ppm	ASTM D5185m		285	289	---
Zinc	ppm	ASTM D5185m		8	12	---
Sulfur	ppm	ASTM D5185m		1096	967	---
Visc @ 40°C	cSt	ASTM D445	35.3	22.5	21.9	---

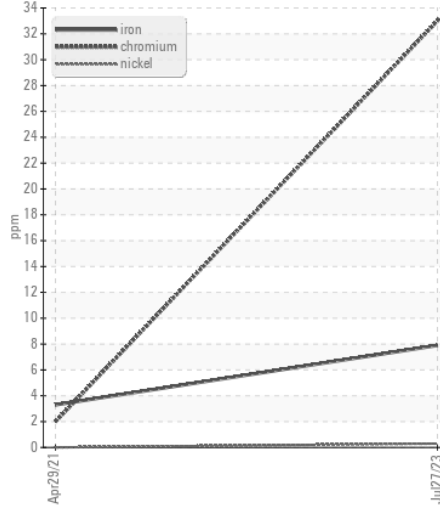
▲ Ferrous Alloys



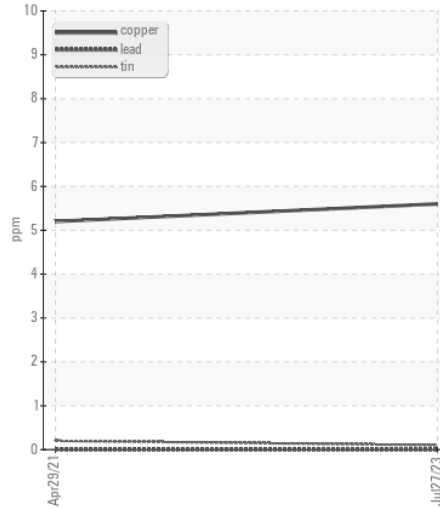
Viscosity @ 40°C



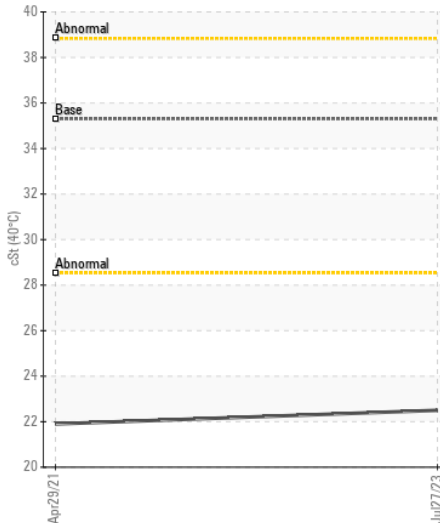
▲ Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0743903
Lab Number : 05919477
Unique Number : 10591391
Test Package : FLEET

Received : 08 Aug 2023
Tested : 10 Aug 2023
Diagnosed : 10 Aug 2023 - Jonathan Hester

ASSOCIATED TERMINALS - MOBILE EQUIPMENT

LAPLACE, LA
 US 70068

Contact: LONNIE BECNEL
 lbecnel@associatedterminals.com

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 F: (985)651-2099

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)