



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
Store 3 - Norton
Machine Id
TILT 1 (S/N BV311030)
Component
Hydraulic System
Fluid
CHEVRON HYDRAULIC AW ISO 68 (50 GAL)

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0045219	LEC0038255	LEC0038262
Sample Date		Client Info		13 Jan 2024	30 Aug 2023	22 Mar 2023
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		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	NORMAL	ATTENTION

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		16	17	12
Iron	ppm	ASTM D5185m	>20	0	5	4
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>75	<1	0	<1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

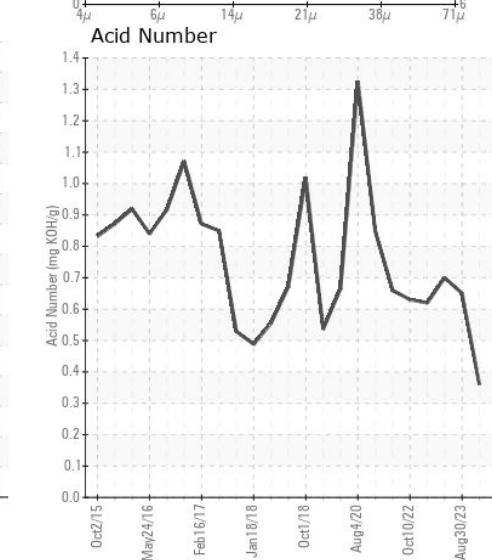
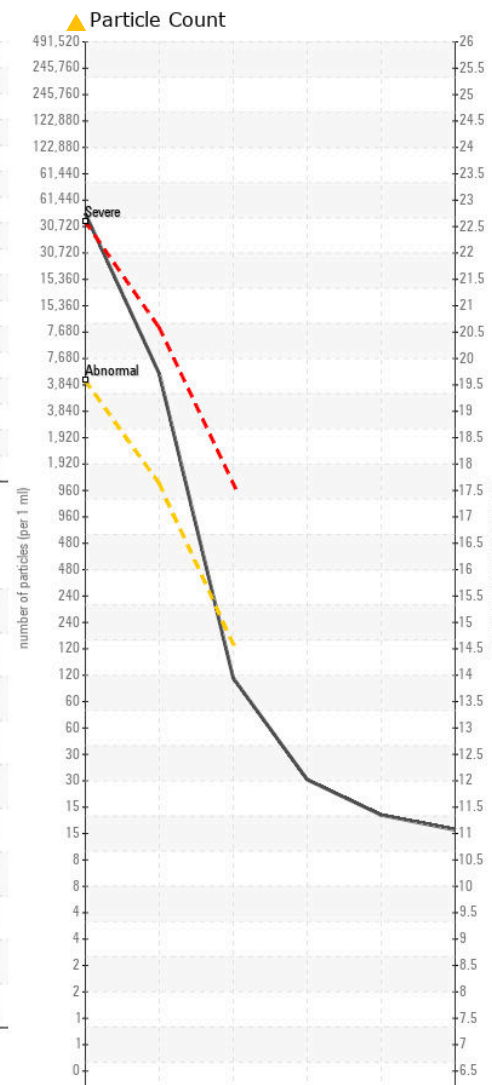
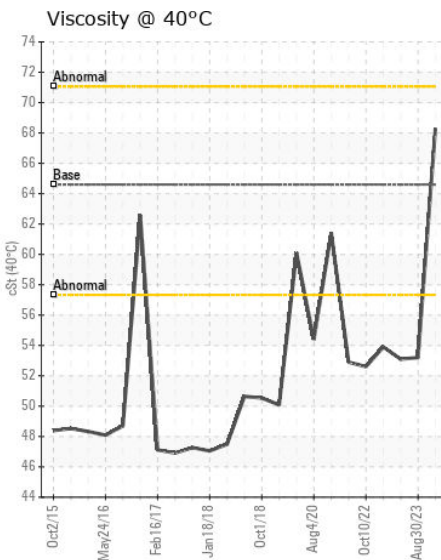
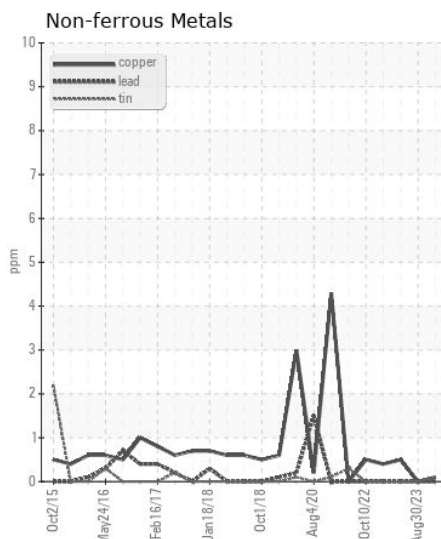
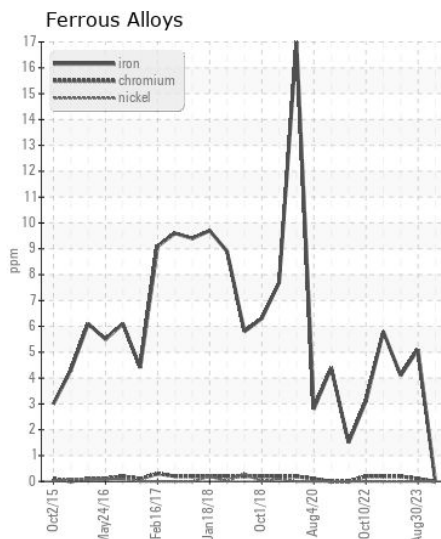
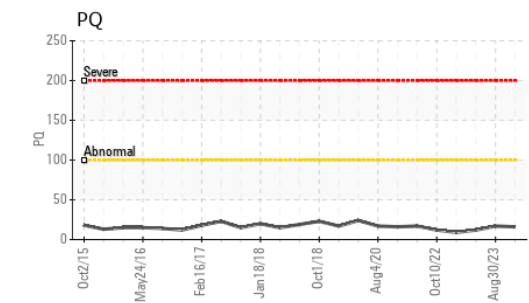
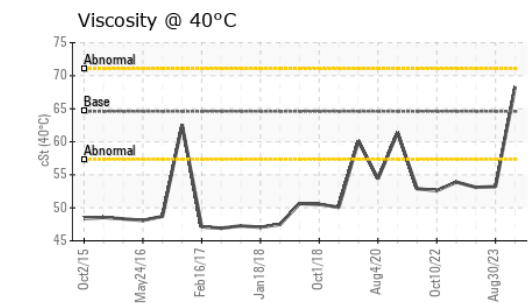
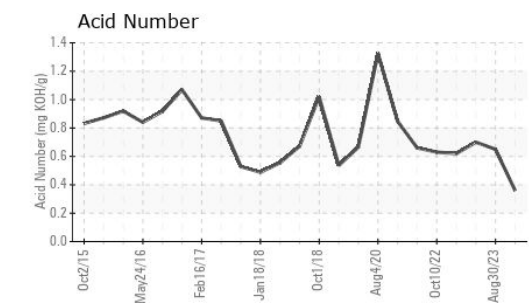
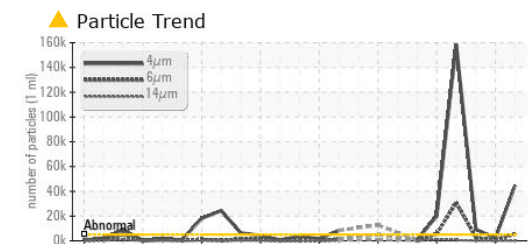
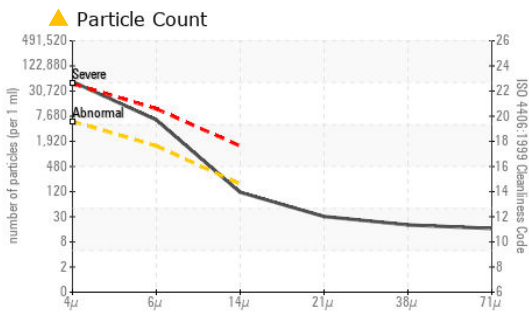
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>20	<1	6	6
Potassium	ppm	ASTM D5185m	>20	0	0	2
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	▲ 44628	2394	▲ 9229
Particles >6µm		ASTM D7647	>1300	▲ 5468	372	▲ 2380
Particles >14µm		ASTM D7647	>160	▲ 102	81	87
Particles >21µm		ASTM D7647	>40	▲ 27	35	9
Particles >38µm		ASTM D7647	>10	▲ 17	2	0
Particles >71µm		ASTM D7647	>3	▲ 14	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 23/20/14	18/16/14	▲ 20/18/14
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	>0.1	NEG	NEG	NEG

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oils additive package is suitable for further service.

Sodium	ppm	ASTM D5185m		0	6	4
Boron	ppm	ASTM D5185m		0	98	96
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	1	3
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		<1	71	64
Calcium	ppm	ASTM D5185m		57	2770	2617
Phosphorus	ppm	ASTM D5185m		347	917	932
Zinc	ppm	ASTM D5185m		403	1225	1183
Sulfur	ppm	ASTM D5185m		816	8545	7178
Acid Number (AN)	mg KOH/g	ASTM D8045		0.36	0.65	0.70
Visc @ 40°C	cSt	ASTM D445	64.6	68.3	53.2	53.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0045219 **Received** : 18 Jan 2024
Lab Number : 06064207 **Diagnosed** : 20 Jan 2024
Unique Number : 10835589 **Diagnostician** : Don Baldridge
Test Package : CONST (Additional Tests: PQ)

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)

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