



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Machine Id
26076/56078 - L&W SUPPLY

Component
Hydraulic System

Fluid
CHEVRON RANDO HDZ 32 (40 GAL)

RECOMMENDATION

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0664501	WCM2322369	WC0497953
Sample Date		Client Info		23 Jan 2024	10 Feb 2023	08 Mar 2022
Machine Age	hrs	Client Info		7266	0	6449
Oil Age	hrs	Client Info		7266	2000	0
Filter Age	hrs	Client Info		0	2000	0
Oil Changed		Client Info		Not Changed	Not Changd	Not Changed
Filter Changed		Client Info		Changed	Not Changed	Changed
Sample Status				ATTENTION	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	12	10	9
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	0	<1
Lead	ppm	ASTM D5185m	>10	<1	0	0
Copper	ppm	ASTM D5185m	>75	5	4	4
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

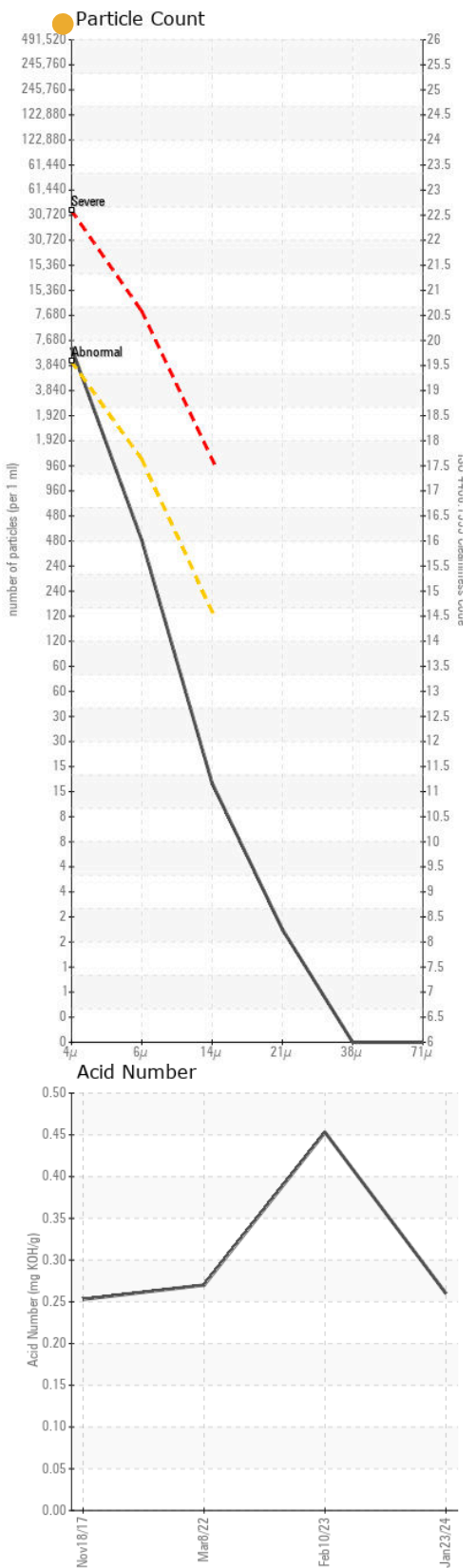
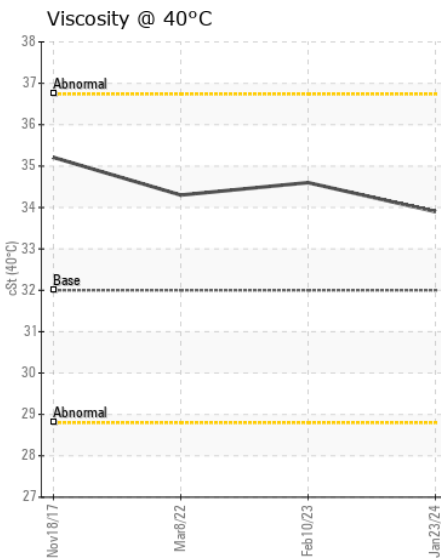
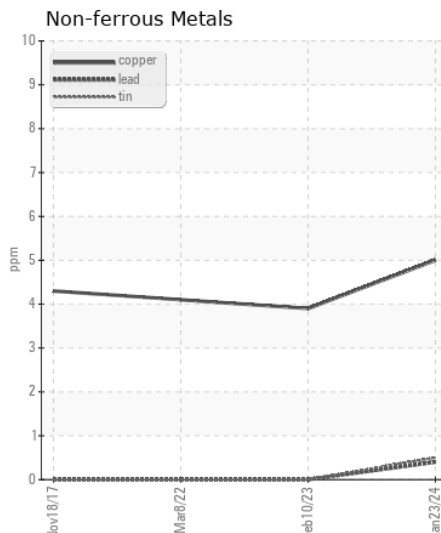
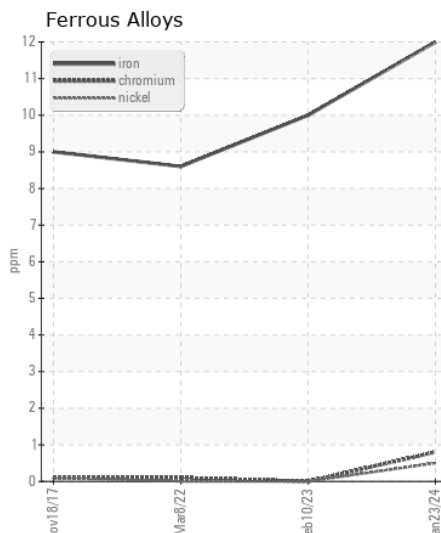
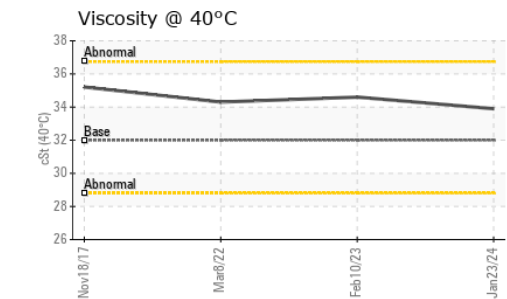
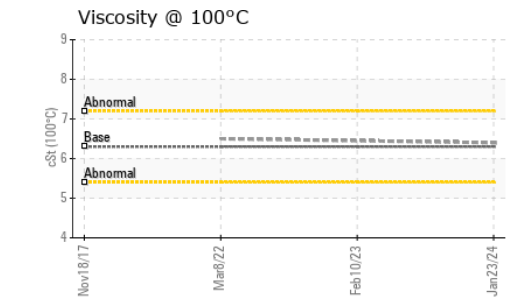
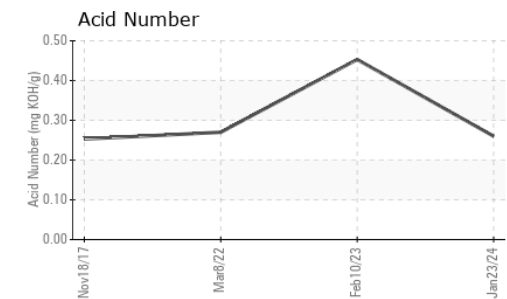
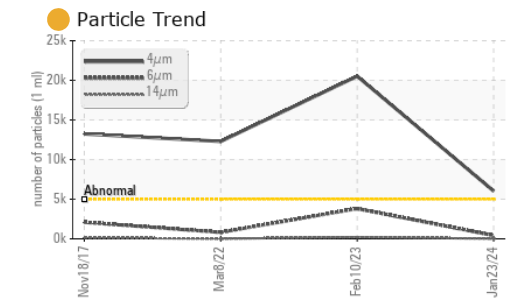
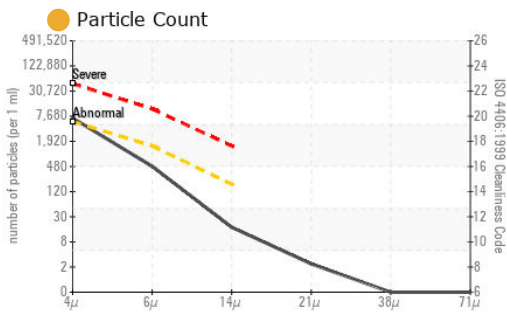
There is a light amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>20	3	2	1
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	6032	▲ 20519	▲ 12289
Particles >6µm		ASTM D7647	>1300	426	▲ 3812	815
Particles >14µm		ASTM D7647	>160	15	● 202	13
Particles >21µm		ASTM D7647	>40	2	45	4
Particles >38µm		ASTM D7647	>10	0	2	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/16/11	▲ 22/19/15	▲ 21/17/11
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 oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<1	1	<1
Boron	ppm	ASTM D5185m		<1	0	0
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		<1	0	<1
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		2	1	0
Calcium	ppm	ASTM D5185m		57	61	61
Phosphorus	ppm	ASTM D5185m		361	387	366
Zinc	ppm	ASTM D5185m		379	371	334
Sulfur	ppm	ASTM D5185m		2763	3434	2886
Acid Number (AN)	mg KOH/g	ASTM D8045		0.26	0.453	0.27
Visc @ 40°C	cSt	ASTM D445	32.0	33.9	34.6	34.3
Visc @ 100°C	cSt	ASTM D445	6.3	6.4	---	6.5
Viscosity Index (VI)	Scale	ASTM D2270	153	143	---	145



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : WC0664501 Received : 17 Jun 2024
 Lab Number : 06211557 Tested : 18 Jun 2024
 Unique Number : 11084421 Diagnosed : 18 Jun 2024 - Wes Davis
 Test Package : MOB 2 (Additional Tests: KV100, VI)

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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