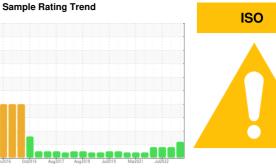


# **OIL ANALYSIS REPORT**





Component **Hydraulic System** 

**CHEVRON DELO 400 MULTIGRADE 15W40** 

## **DIAGNOSIS**

#### Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

### Contamination

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

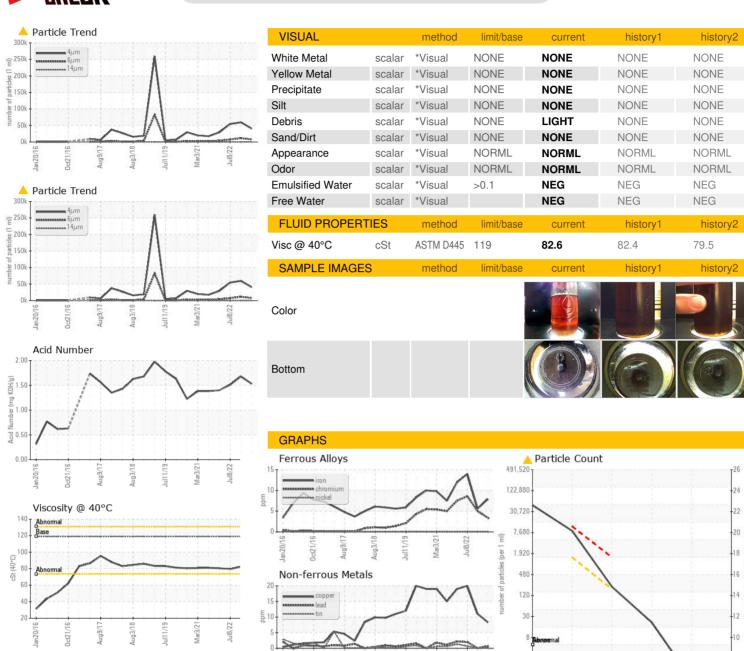
### **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

0 ( GAL)						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KL0012921	KL0010014	KL0008998
Sample Date		Client Info		06 Sep 2023	16 Dec 2022	08 Jul 2022
Machine Age	mls	Client Info		11959	96955	89579
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	8	6	14
Chromium	ppm	ASTM D5185m	>10	3	5	9
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	<1	2	3
Lead	ppm	ASTM D5185m	>10	<1	0	2
Copper	ppm	ASTM D5185m	>75	8	11	20
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Antimony	ppm	ASTM D5185m				
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	151	60	76	154
Barium	ppm	ASTM D5185m	0.4	0	0	0
Molybdenum	ppm	ASTM D5185m	250	60	67	60
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	922	864	693
Calcium	ppm	ASTM D5185m	2046	1128	1209	1253
Phosphorus	ppm	ASTM D5185m	1043	997	1030	1009
Zinc	ppm	ASTM D5185m	943	1191	1179	1164
Sulfur	ppm	ASTM D5185m	5012	3316	3920	3804
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	6	6	10
Sodium	ppm	ASTM D5185m		5	5	5
Potassium	ppm	ASTM D5185m	>20	1	0	4
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		40533	59688	54607
Particles >6µm		ASTM D7647	>1300	<b>455</b>	<u>▲</u> 11341	<u></u> 7357
Particles >14μm		ASTM D7647	>160	<u> </u>	140	149
Particles >21µm		ASTM D7647	>40	18	9	21
Particles >38μm		ASTM D7647	>10	0	0	1
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>17/14	<u>^</u> 20/15	<u>△</u> 21/14	<u>△</u> 20/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.53	1.68	1.51



# **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** Test Package

: KL0012921 : 05965350 : 10671901 : MOB 2

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.

150

cSt (40°C)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 29 Sep 2023 : 02 Oct 2023 Diagnosed Diagnostician

: Don Baldridge

**VILLAGE OF RUIDOSO** 313 CREE MEADOWS DR RUIDOSO, NM US 88355

Contact: JERRY PARSONS jerryparsons@ruidoso-nm.gov

T: (575)257-1702

1.50 (mg KOH/g)

00.00 PG

Acid Number

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Viscosity @ 40°C

F: x: