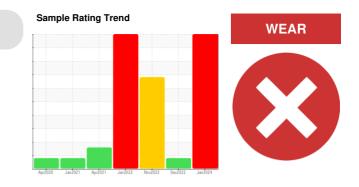
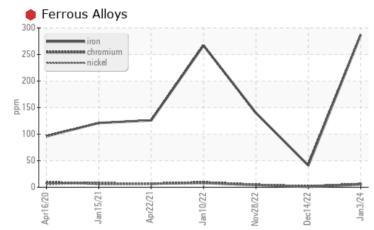


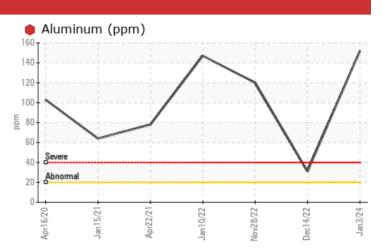
PROBLEM SUMMARY



Machine Id **CT-10** Component **Diesel Engine** Fluid **CHEVRON DELO 400 MULTIGRADE 15W40 (--- QTS)**

COMPONENT CONDITION SUMMARY





RECOMMENDATION

Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS							
Sample Status				SEVERE	ABNORMAL	SEVERE	
Iron	ppm	ASTM D5185m	>100	e 287	41	1 40	
Aluminum	ppm	ASTM D5185m	>20	🛑 152	A 31	1 20	

Customer Id: ASSLAP Sample No.: WC0727971 Lab Number: 06063420 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 don.b505@comcast.net

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

RECO			AOTI	
neuu	IVIIVIEIN	IDED.	AUT	UNC

Action	Status	Date	Done By	Description
Inspect Wear Source			?	We advise that you inspect for the source(s) of wear.
Change Fluid			?	Oil and filter change at the time of sampling has been noted.
Change Filter			?	Oil and filter change at the time of sampling has been noted.
Resample			?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS



14 Dec 2022 Diag: Don Baldridge

No corrective action is recommended at this time. Resample at the next service interval to monitor. The aluminum level has decreased, but is still abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.





28 Nov 2022 Diag: Don Baldridge

We recommend that you drain the oil and perform a filter service on this component if not already done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.Piston, ring and cylinder wear is indicated. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

10 Jan 2022 Diag: Jonathan Hester



Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.Piston and cylinder wear is indicated. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



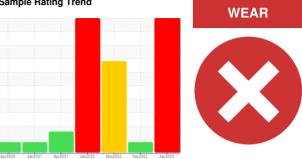






OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id Component

Diesel Engine Fluid

CHEVRON DELO 400 MULTIGRADE 15W40 (--- QTS)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

🛑 Wear

Piston, ring and cylinder wear is indicated.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

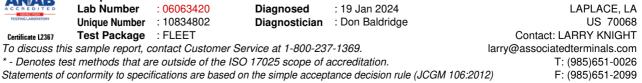
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0727971	WC0743945	WC0743934
Sample Date		Client Info		03 Jan 2024	14 Dec 2022	28 Nov 2022
Machine Age	hrs	Client Info		1846	1522	0
Oil Age	hrs	Client Info		250	0	0
Oil Changed		Client Info		Changed	Not Changd	N/A
Sample Status				SEVERE	ABNORMAL	SEVERE
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	e 287	41	1 40
Chromium	ppm	ASTM D5185m	>20	6	2	5
Nickel	ppm	ASTM D5185m	>4	4	0	3
Titanium	ppm	ASTM D5185m		6	6	9
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	🛑 152	A 31	120
Lead	ppm	ASTM D5185m	>40	<1	<1	<1
Copper	ppm	ASTM D5185m	>330	22	6	27
Tin	ppm	ASTM D5185m	>15	<1	0	<1
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		<1	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	151	141	240	131
Barium	ppm	ASTM D5185m	0.4	0	0	<1
Molybdenum	ppm	ASTM D5185m	250	82	79	63
Manganese	ppm	ASTM D5185m		3	<1	2
Magnesium	ppm	ASTM D5185m	0	710	663	656
Calcium	ppm	ASTM D5185m	2046	1482	1480	1545
Phosphorus	ppm	ASTM D5185m	1043	766	712	736
Zinc	ppm	ASTM D5185m	943	881	813	850
Sulfur	ppm	ASTM D5185m	5012	2793	3146	3314
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm		>25	20	7	13
Sodium	ppm	ASTM D5185m		2	1	3
Potassium	ppm	ASTM D5185m	>20	3	<1	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.4	0.3
Nitration	Abs/cm	*ASTM D7624	>20	10.6	10.0	10.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.8	27.0	22.4
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.0	21.3	17.1
Base Number (BN)	mg KOH/g	ASTM D2896	12.5	6.8	9.0	8.6
7.31.35) Bov: 1				Cantact/Lasa		

Contact/Location: LARRY KNIGHT - ASSLAP



OIL ANALYSIS REPORT





Jov28/22

Certificate L2367

Unique Number

Test Package : FLEET

: 10834802

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.

Diagnostician

: Don Baldridge

Contact/Location: LARRY KNIGHT - ASSLAP

Jan 10/22

Jan3/24

Dec14/22

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

14.3

history