WEAR CONTAMINATION FLUID CONDITION

NORMAL

MARGINAL

ABNORMAL

Machine Id

EIC Component

Fluid CHEVRON DELO 400 VI E 15W40 (CAL)							
CHEVRON DELO 400 XLE 15W40 (GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		MW06225684	MW06207242	,
We advise that you check the cylinder liner seals for deterioration to ensure that cooling water is not entering the sump. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample.	Sample Date		Client Info		30 Jun 2024		16 Apr 202
	Machine Age	hrs	Client Info		27315	0	26033
	Oil Age	hrs	Client Info		540	0	889
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed	1110	Client Info		N/A	N/A	N/A
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status		Oliciti iiilo		ABNORMAL	ABNORMAL	ABNORMA
WEAR	Iron	nnm	ASTM D5185m	~75	9	8	6
WEAN	Chromium	ppm	ASTM D5185m		ء <1		<1
All component wear rates are normal.		ppm				<1 0	0
	Nickel	ppm	ASTM D5185m		<1	-	
	Titanium	ppm	ASTM D5185m		<1	<1	<1
	Silver	ppm	ASTM D5185m		<1	0	0
	Aluminum	ppm	ASTM D5185m		3	2	<1
	Lead	ppm	ASTM D5185m		1	2	6
	Copper	ppm	ASTM D5185m		6	3	0
	Tin	ppm	ASTM D5185m	>14	<1	<1	<1
	Vanadium	ppm	ASTM D5185m		<1	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	nnm	ASTM D5185m	- 20	4	А	3
CONTAININATION		ppm			4 2	4	0
Elemental level of sodium (Na) and/or boron (B) indicates a possible cooling water leak. Light fuel dilution occurring.	Potassium Fuel	ppm	ASTM D5185m			 ▲ 3.1	△ 3.5
		%	ASTM D3524	>4.0	▲ 3.0		
	Water		WC Method	>0.1	NEG	NEG	NEG
	Glycol	0/	WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	00	0.2	0.2	0.2
	Nitration	Abs/cm	*ASTM D7624	>20	7.0	7.3	7.7
	Sulfation	Abs/.1mm	*ASTM D7415		22.5	21.5	20.6
	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	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
<u></u>	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>75	0	0	0
The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		321	266	57
	Barium	ppm	ASTM D5185m		<1	0	0
	Molybdenum	ppm	ASTM D5185m		76	53	1 5
	Manganese	ppm	ASTM D5185m		<1	0	0
	Magnesium	ppm	ASTM D5185m		320	240	92
	Calcium	ppm	ASTM D5185m		1541	1768	2174
	Phosphorus	ppm	ASTM D5185m	760	889	881	866
		ppm ppm	ASTM D5185m ASTM D5185m		889 1104	881 1121	1001
	Phosphorus			830			

Oxidation

Visc @ 100°C cSt

Abs/.1mm *ASTM D7414 >25

ASTM D445 14.9

Base Number (BN) mg KOH/g ASTM D2896 10.7

18.3

6.0

11.2

19.1

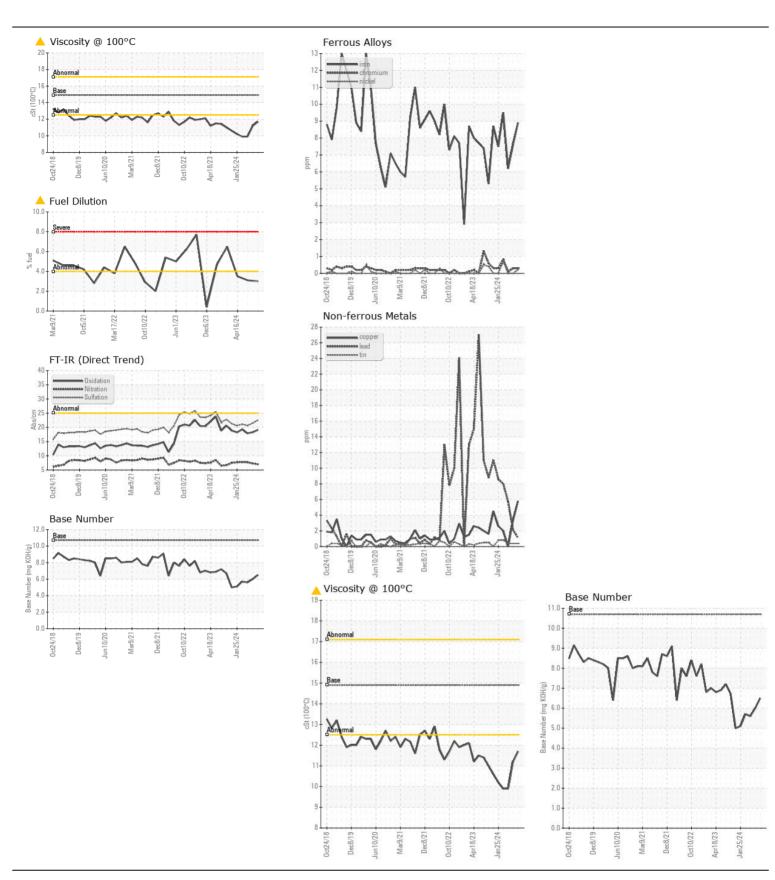
6.5

11.7

9.9

17.9

5.6







Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : MW06225684 Lab Number : 06225684

Unique Number : 11103881

Received : 01 Jul 2024 **Tested** : 03 Jul 2024 Diagnosed

: 03 Jul 2024 - Wes Davis Test Package : MAR 2 (Additional Tests: FuelDilution, PercentFuel) 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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