

OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id **927022-597** Component

Diesel Engine

CHEVRON DELO 400 XLE 15W40 (--- GAL)

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SAM	PLE INFORM	MATION	method	limit/base	current	history 1	history 2
Sample	Number		Client Info		GFL0064373	GFL0064399	GFL0055584
Sample			Client Info		20 Jun 2023	03 Jan 2023	27 Dec 2022
Machin	e Age	hrs	Client Info		18019	1916	16854
Oil Age	-	hrs	Client Info		579	0	0
Oil Cha			Client Info		Changed	Not Changd	Not Changd
	Status				NORMAL	NORMAL	NORMAL
CON	ITAMINAT	ION	method	limit/base	current	history 1	history 2
Fuel			WC Method	>3.0	<1.0	<1.0	<1.0
Glycol			WC Method		NEG	NEG	NEG
WEA	R METAL	S	method	limit/base	current	history 1	history 2
Iron		ppm	ASTM D5185m	>120	31	7	16
Chromi	um	ppm	ASTM D5185m	>20	<1	0	0
Nickel		ppm	ASTM D5185m	>5	0	0	0
Titaniur	n	ppm	ASTM D5185m	>2	10	0	<1
Silver		ppm	ASTM D5185m	>2	0	0	0
Alumin	um	ppm	ASTM D5185m	>20	5	2	4
Lead		ppm	ASTM D5185m	>40	1	<1	<1
Copper		ppm	ASTM D5185m	>330	2	<1	<1
Tin		ppm	ASTM D5185m		<1	0	<1
Antimo	ny	ppm	ASTM D5185m				
Vanadi	-	ppm	ASTM D5185m		<1	0	0
Cadmiu		ppm	ASTM D5185m		0	0	0
ADD	ITIVES		method	limit/base	current	history 1	history 2
Boron		ppm	ASTM D5185m		34	143	86
Barium		ppm	ASTM D5185m		0	2	0
Molybd	enum	ppm	ASTM D5185m		61	111	117
Mangai		ppm	ASTM D5185m		<1	0	<1
Magnes		ppm	ASTM D5185m		679	451	461
Calciun		ppm	ASTM D5185m		1649	1672	1733
Phosph	orus	ppm	ASTM D5185m	760	725	724	759
Zinc		ppm	ASTM D5185m	830	858	871	918
Sulfur		ppm	ASTM D5185m	2770	4124	2540	3120
CON	ITAMINAN	TS	method	limit/base	current	history 1	history 2
Silicon		ppm	ASTM D5185m	>25	6	2	13
Sodium	ı	ppm	ASTM D5185m		7	0	3
Potassi	um	ppm	ASTM D5185m	>20	4	2	3
INFF	RA-RED		method	limit/base	current	history 1	history 2
Soot %		%	*ASTM D7844	>4	1.2	0.7	0.7
Nitratio	n	Abs/cm	*ASTM D7624	>20	13.2	10.6	10.5
Sulfatio	n	Abs/.1mm	*ASTM D7415	>30	29.2	22.9	22.8
FLUI	D DEGRAD	DATION	method	limit/base	current	history 1	history 2
Oxidati	on	Abs/.1mm	*ASTM D7414	>25	24.9	18.4	18.1
	umber (BN)	mg KOH/g	ASTM D2896		5.3	6.8	6.9
2000 1			DLOUU		0.0	0.0	0.0

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

All component wear rates are normal.

Contamination

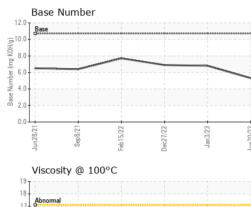
There is no indication of any contamination in the oil.

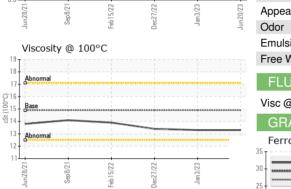
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



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VISUAL		method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
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	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history 1	history 2
Visc @ 100°C	cSt	ASTM D445	14.9	13.3	13.3	13.4
GRAPHS						

