

# **OIL ANALYSIS REPORT**

Sample Rating Trend

**NORMAL** 



Machine Id EX0069-323

Component

Diesel Engine

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

# DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

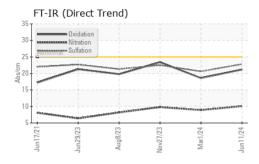
## **Fluid Condition**

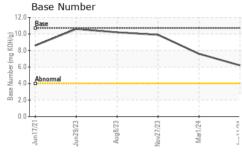
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

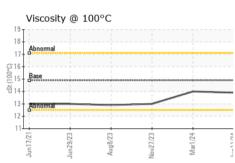
Ample Number         Client Info         GFL0116040         GFL0097489         GFL           Ample Date         Client Info         11 Jun 2024         01 Mar 2024         27 N           Achine Age         hrs         Client Info         6545         6545         6545           I Age         hrs         Client Info         6545         6545         6545           I Changed         Client Info         N/A         N/A         N/A	
Ample Date         Client Info         11 Jun 2024         01 Mar 2024         27 N           achine Age         hrs         Client Info         6545         6545         6545           I Age         hrs         Client Info         6545         6545         6545           I Changed         Client Info         N/A         N/A         N/A	history2
Ample Date         Client Info         11 Jun 2024         01 Mar 2024         27 N           achine Age         hrs         Client Info         6545         6545         6545           I Age         hrs         Client Info         6545         6545         6545           I Changed         Client Info         N/A         N/A         N/A	.0097466
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I Age         hrs         Client Info         6545         6545         6545           I Changed         Client Info         N/A         N/A         N/A	5
I Changed Client Info N/A N/A N/A	5
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ample Status NORMAL NORMAL NOR	RMAL
CONTAMINATION method limit/base current history1	history2
uel WC Method >6.0 <1.0 <1.0 <	1.0
ater WC Method >0.1 NEG NEG N	IEG
ycol WC Method <b>NEG</b> NEG N	IEG
WEAR METALS method limit/base current history1	history2
on ppm ASTM D5185m >100 <b>12</b> 6 1	0
nromium ppm ASTM D5185m >10 <1 <1 0	
ckel ppm ASTM D5185m >10 <1 <1 0	
tanium ppm ASTM D5185m <b>0</b> <1 0	
lver ppm ASTM D5185m >2 <b>0</b> 0 0	
uminum ppm ASTM D5185m >10 <b>9</b> 7 5	
ead ppm ASTM D5185m >20 <b>0</b> 0 0	
ppper ppm ASTM D5185m >15 <b>10</b> 6 8	
n ppm ASTM D5185m >10 <b>&lt;1</b> <1 <	1
anadium ppm ASTM D5185m <b>0</b> <1 0	
admium ppm ASTM D5185m <b>0</b> 0 0	
ADDITIVES method limit/base current history1	history2
oron ppm ASTM D5185m <b>82</b> 137 3	3
arium ppm ASTM D5185m <b>0</b> 0	
olybdenum ppm ASTM D5185m <b>5</b> 4 4	1
anganese ppm ASTM D5185m <1 0	
<b>agnesium</b> ppm ASTM D5185m <b>69</b> 64 5	26
<b>alcium</b> ppm ASTM D5185m <b>2264</b> 1993 1	765
nosphorus ppm ASTM D5185m 760 <b>962</b> 909 9	28
nc ppm ASTM D5185m 830 <b>1186</b> 1127 1	170
ulfur ppm ASTM D5185m 2770 <b>3878</b> 3466 2	779
**	history2
CONTAMINANTS method limit/base current history1	
CONTAMINANTS method limit/base current history1	
CONTAMINANTS         method         limit/base         current         history1           licon         ppm         ASTM D5185m         >20         9         6         8           odium         ppm         ASTM D5185m         4         2         2	
CONTAMINANTS method limit/base current history1	
CONTAMINANTS         method         limit/base         current         history1           dicon         ppm         ASTM D5185m         >20         9         6         8           odium         ppm         ASTM D5185m         4         2         2           otassium         ppm         ASTM D5185m         >20         9         8         0           NFRA-RED         method         limit/base         current         history1	
CONTAMINANTS         method         limit/base         current         history1           dicon         ppm         ASTM D5185m         >20         9         6         8           odium         ppm         ASTM D5185m         4         2         2           otassium         ppm         ASTM D5185m         >20         9         8         0           NFRA-RED         method         limit/base         current         history1           pot %         *ASTM D7844         >3         0.3         0.2         0	history2
CONTAMINANTS         method         limit/base         current         history1           licon         ppm         ASTM D5185m         >20         9         6         8           odium         ppm         ASTM D5185m         4         2         2           otassium         ppm         ASTM D5185m         >20         9         8         0           NFRA-RED         method         limit/base         current         history1           pot %         *ASTM D7844         >3         0.3         0.2         0           tration         Abs/cm         *ASTM D7624         >20         10.1         8.9         9	history2 .3
CONTAMINANTS         method         limit/base         current         history1           licon         ppm         ASTM D5185m         >20         9         6         8           odium         ppm         ASTM D5185m         4         2         2           otassium         ppm         ASTM D5185m         >20         9         8         0           NFRA-RED         method         limit/base         current         history1           pot %         *ASTM D7844         >3         0.3         0.2         0           tration         Abs/cm         *ASTM D7624         >20         10.1         8.9         9	history2
CONTAMINANTS         method         limit/base         current         history1           dicon         ppm         ASTM D5185m         >20         9         6         8           odium         ppm         ASTM D5185m         4         2         2           otassium         ppm         ASTM D5185m         >20         9         8         0           INFRA-RED         method         limit/base         current         history1           pot %         *ASTM D7844         >3         0.3         0.2         0           tration         Abs/cm         *ASTM D7624         >20         10.1         8.9         9           ulfation         Abs/.1mm         *ASTM D7415         >30         22.8         20.6         2	history2 .3
CONTAMINANTS         method         limit/base         current         history1           dicon         ppm         ASTM D5185m         >20         9         6         8           odium         ppm         ASTM D5185m         4         2         2         2           otassium         ppm         ASTM D5185m         >20         9         8         0           INFRA-RED         method         limit/base         current         history1           oot %         %         *ASTM D7844         >3         0.3         0.2         0           tration         Abs/cm         *ASTM D7624         >20         10.1         8.9         9           ulfation         Abs/.1mm         *ASTM D7415         >30         22.8         20.6         2           FLUID DEGRADATION         method         limit/base         current         history1	history2 .3 .8 2.5

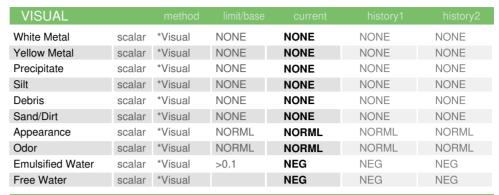


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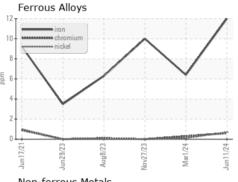


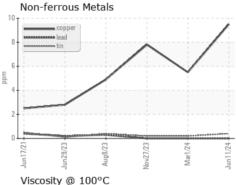


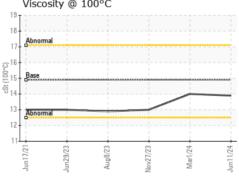


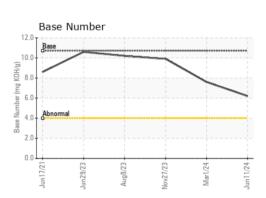
FLUID PROPI	ERHES	method				history2
Visc @ 100°C	cSt	ASTM D445	14.9	13.9	14.0	13.0

## **GRAPHS**













Certificate 12367

Laboratory Sample No.

: GFL0116040 Lab Number : 06211344 Unique Number : 11084208

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 17 Jun 2024 **Tested** : 19 Jun 2024

Diagnosed : 19 Jun 2024 - Don Baldridge GFL Environmental - 641 - Alpena

1241 KING SETTLEMENT RD ALPENA, MI US 49707

Contact: DYLAN TOLAN dylan.tolan@gflenv.com T: (989)854-7203

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)