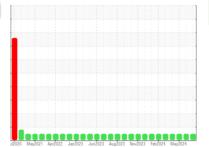


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

429061-402470

Diesel Engine

CHEVRON DELO 400 MULTIGRADE 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

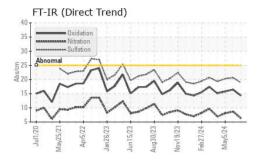
Fluid Condition

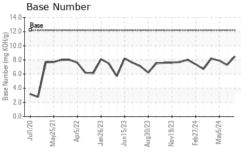
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

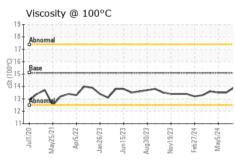
(GAL) 1/2020 May2021 Apr2022 Jan2023 Jun2023 Aug2023 Nev2023 Feb2024 May2024									
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		GFL0115398	GFL0115444	GFL0115411			
Sample Date		Client Info		17 Jun 2024	26 May 2024	05 May 2024			
Machine Age	hrs	Client Info		9954	9845	9690			
Oil Age	hrs	Client Info		0	0	0			
Oil Changed		Client Info		N/A	N/A	N/A			
Sample Status				NORMAL	NORMAL	NORMAL			
CONTAMINAT	ION	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 METAL	S	method	limit/base	current	history1	history2			
Iron	ppm	ASTM D5185m	>110	5	13	12			
Chromium	ppm	ASTM D5185m	>4	0	<1	<1			
Nickel	ppm	ASTM D5185m	>2	<1	0	0			
Titanium	ppm	ASTM D5185m		0	0	<1			
Silver	ppm	ASTM D5185m	>2	0	0	0			
Aluminum	ppm	ASTM D5185m	>25	2	2	2			
Lead	ppm	ASTM D5185m	>45	0	1	1			
Copper	ppm	ASTM D5185m	>85	<1	0	3			
Tin	ppm	ASTM D5185m	>4	0	<1	0			
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		41	25	32			
Barium	ppm	ASTM D5185m		0	0	0			
Molybdenum	ppm	ASTM D5185m		74	72	75			
Manganese	ppm	ASTM D5185m		<1	<1	<1			
Magnesium	ppm	ASTM D5185m		917	971	973			
Calcium	ppm	ASTM D5185m		1096	1170	1243			
Phosphorus	ppm	ASTM D5185m	1360	1029	1054	1055			
Zinc	ppm	ASTM D5185m	1480	1207	1274	1237			
Sulfur	ppm	ASTM D5185m		3550	3422	3445			
CONTAMINAN	TS	method	limit/base	current	history1	history2			
Silicon	ppm	ASTM D5185m	>30	4	5	6			
Sodium	ppm	ASTM D5185m		3	4	4			
Potassium	ppm	ASTM D5185m	>20	5	2	0			
INFRA-RED		method	limit/base	current	history1	history2			
Soot %	%	*ASTM D7844	>3	0.2	0.3	0.3			
Nitration	Abs/cm	*ASTM D7624		6.3	8.7	8.1			
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.9	20.6	20.3			
FLUID DEGRA	ATION	method	limit/base	current	history1	history2			
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.3	16.4	15.8			
Base Number (BN)	mg KOH/g	ASTM D2896	12.2	8.5	7.3	7.9			

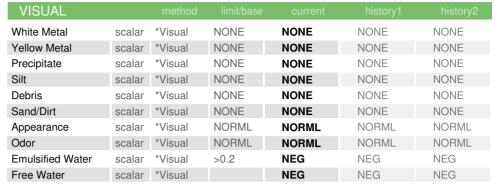


OIL ANALYSIS REPORT





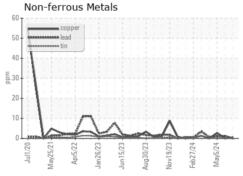


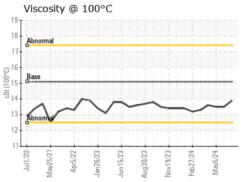


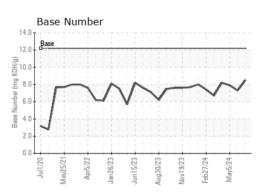
FLUID PROPERTIES		method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	13.9	13.5	13.5

GRAPHS

Ferrous Alloys 35 30 25 10











Certificate 12367

Laboratory Sample No. Unique Number : 11085648

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0115398 Lab Number : 06212784

Received : 17 Jun 2024 **Tested** Diagnosed

: 19 Jun 2024 : 19 Jun 2024 - Angela Borella

GFL Environmental - 816 - WCA of South Arkansas

3083 Smackover Hwy El Dorado, AR US 71730

Contact: Mike Howell mike.howell@gflenv.com

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)

T:

F: