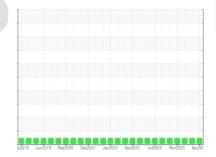


OIL ANALYSIS REPORT

Sample Rating Trend









Machine Id 428050-402357

Component

Diesel Engine

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

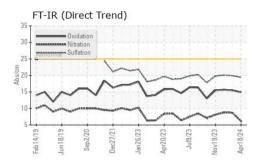
Fluid Condition

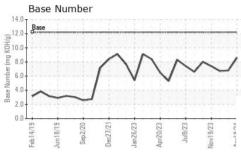
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

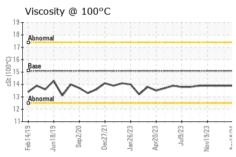
CAMPLE INFORM	AATIONI		1::-	aa.	hinton d	٠٠٠ سوخونوا
SAMPLE INFORM	IA HON		limit/base	current	history1	history2
Sample Number		Client Info		GFL0102947	GFL0074793	GFL0102975
Sample Date		Client Info		18 Apr 2024	13 Feb 2024	15 Jan 2024
Machine Age	hrs	Client Info		14404	14259	14233
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	ON	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS	3	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	6	13	14
Chromium	ppm	ASTM D5185m	>20	<1	1	1
Nickel	ppm	ASTM D5185m	>5	7	7	6
Titanium	ppm	ASTM D5185m	>2	<1	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	4	4
Lead	ppm	ASTM D5185m	>40	<1	<1	<1
Copper	ppm	ASTM D5185m	>330	1	2	2
Tin	ppm	ASTM D5185m	>15	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		97	5	4
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		82	64	66
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		852	967	923
Calcium	ppm	ASTM D5185m		1198	1127	1152
Phosphorus	ppm	ASTM D5185m	1360	996	1021	997
Zinc	ppm	ASTM D5185m	1480	1125	1283	1248
Sulfur	ppm	ASTM D5185m		3161	2871	2741
CONTAMINANT	ΓS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	8	9
Sodium	ppm	ASTM D5185m		1	3	4
Potassium	ppm	ASTM D5185m	>20	3	2	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.2	0.5	0.5
Nitration	Abs/cm	*ASTM D7624	>20	6.2	8.7	8.8
Sulfation	Abs/.1mm	*ASTM D7415		19.4	19.9	20.1
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.9	15.5	15.7
Base Number (BN)	mg KOH/g	ASTM D2896	12.2	8.6	6.8	6.7
= 1.50 · (2.14)	99			0.0	0.0	0



OIL ANALYSIS REPORT



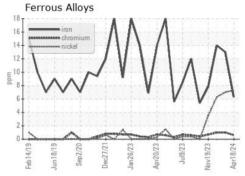


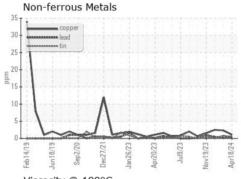


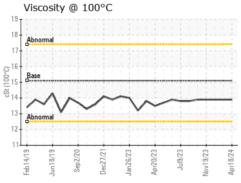
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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

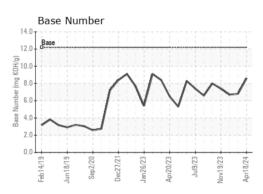
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	13.9	13.9	13.9

GRAPHS













Certificate 12367

Laboratory Sample No. : GFL0102947 Lab Number : 06155148 Unique Number : 10990571 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received : 19 Apr 2024 **Tested** : 24 Apr 2024 Diagnosed

: 24 Apr 2024 - Sean Felton

GFL Environmental - 816 - WCA of South Arkansas

3083 Smackover Hwy El Dorado, AR

US 71730 Contact: Mike Howell

mike.howell@gflenv.com T:

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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