

Customer Information

YANGARRA RESOURCES

Attention : Adam Latos
Phone : (403) 396-5059

Equipment Information

Unit # : Unit 2C
Component : ENGINE
Location :
Unit Mfr/Model : DODGE
Unit Serial # : 3C7WRNCL3FG502477
Comp Mfr/Model :
Comp Serial # :

Lubricant

Manufacturer : FEDERATED CO-OP
Brand : D-MO SYNTHETIC BLEND
Grade : 5W40
Sample # : 2025/11/07-967

FLUID LIFE
EQUIPMENT RELIABILITY SERVICES

Oil Analysis

4371 Savaryn Drive SW, Edmonton
Alberta, Canada T6X 2E8
Phone: 877-962-2400

V15-2

Sample		Wear Metals ppm														Additives ppm							
Sample Number	Sample Date	Aluminum	Iron	Copper	Lead	Tin	Chromium	Nickel	Titanium	Silver	Vanadium	Antimony	Beryllium	Manganese	Cadmium	Calcium	Zinc	Phosphorus	Magnesium	Molybdenum	Boron	Barium	Lithium
Ref. Sample	2022/06/02	2	1	0	0	0	0	0	0	0	0	0	0	0	0	2302	1411	1115	15	119	169	0	0
11/07-967	2025/10/22	1	9	0	1	0	1	0	0	0	0	0	0	0	0	2368	1138	1090	52	95	70	0	0
08/22-406	2025/08/05	1	16	1	0	1	1	0	0	0	0	0	0	0	0	2219	1120	948	21	109	102	0	0
04/24-602	2025/04/08	1	14	1	1	0	1	0	0	0	0	0	0	0	0	2360	1160	1070	26	111	125	0	0
08/23-204	2024/07/30	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1785	873	861	17	87	107	0	0
05/10-335	2024/05/04	0	25	2	0	0	2	0	1	0	0	1	0	0	0	2090	1220	975	300	18	142	0	0
01/19-310	2024/01/10	1	23	3	0	0	0	0	0	0	0	0	0	0	0	1595	1526	1095	761	45	59	0	0

Sample Information

Sample Date	Oil Mfr.	Oil Brand	Oil Grade	Component Service	Oil Service	Units	Oil Chg	ppm			Visc 40°C cSt	Visc 100°C cSt	Visc Index	Water	Glycol %	Fuel %	Soot %	NIT (DT) (Abs/0.1mm)	OX (DT) (Abs/0.1mm)
Ref. Sample	FED	DMOSB	5W40					Sodium	Potassium	Silicon	96.0	15.12	166					7.86	15.9
2025/10/22	FED	DMOSB	5W40	~386000	10000	KM	Y	0	0	4		14.10		N	NT	NT	0.18	10.9	19.6
2025/08/05	FED	DMOSB	5W40	~376200		KM	Y	0	1	6		13.79		N	NT	NT	0.23	12.9	22.3
2025/04/08	FED	DMOSB	5W40	~364000	10000	KM	Y	0	1	4		13.84		N	NT	NT	0.20	13.2	22.5
2024/07/30	FED	DMOSB	5W40	~16805	400	HR		1	7	4		14.31		N	NT	NT	0.19	8.50	16.6
2024/05/04	FED		5W40		10000	KM	Y	0	1	5		14.23		N	NT	NT	0.21	9.66	18.5
2024/01/10								3	3	4		14.39		N	NT	NT	0.15	9.43	19.3

Results

2025/10/22 Tested wear and contamination levels are within acceptable limits.
2025/08/05 Tested wear and contamination levels are within acceptable limits.
2025/04/08 Tested wear and contamination levels are within acceptable limits.
2024/07/30 Tested wear and contamination levels are within acceptable limits.
2024/05/04 Tested wear and contamination levels are within acceptable limits.
2024/01/10 Assuming normal oil service life, tested wear and contamination are within acceptable limits.

Recommendations

2025/10/22 Resample next interval to monitor.
2025/08/05 Resample next interval to monitor.
2025/04/08 Resample next interval to monitor.
2024/07/30 Resample next interval to monitor.
2024/05/04 Resample next interval to monitor.
2024/01/10 Resample next interval to monitor.

Key: Y - Yes N - Negative P - Positive R - Reportable U - Unacceptable S - Severe I - Insufficient Sample - Data could not be provided NT - Not Triggered - Updated ~ - Lab Estimated

Results relate only to the samples tested, all testing is done at the above address unless stated. This is presented in abbreviated format. Additional information is available upon request. The Fluid Life Corporation shall not be liable for any loss of profits, business, damages, or fitness of purpose, related to this oil analysis report and recommendations.

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Trend Analysis
4371 Savaryn Drive SW, Edmonton
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Phone: 877 962 2400

Additional Tests

Sul (DT) (Abs/0.1mm)
15.6
22.2
21.2
23.2
16.2
22.2
20.0

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Your Sample Rank

0.0

Normal

0 - 5

Sample rank ranges from zero to ten. The higher the sample rank, the more abnormal the sample results are.

Elevated

5 - 8

High

8 - 9

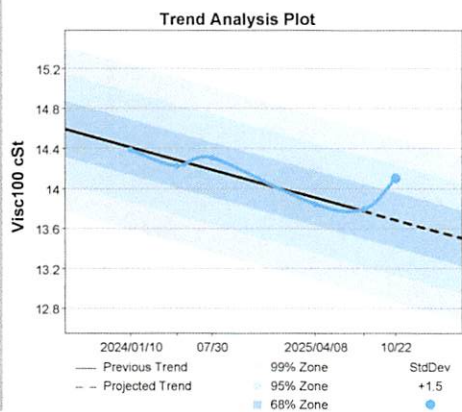
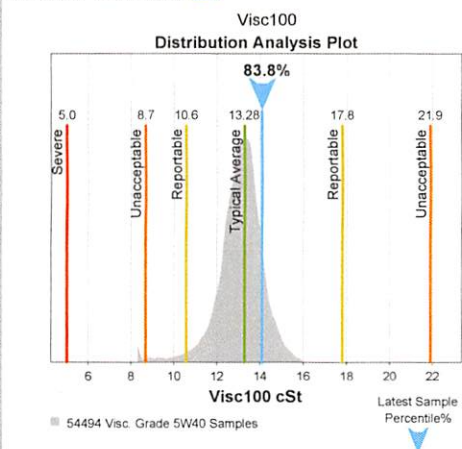
Very High

Over 9

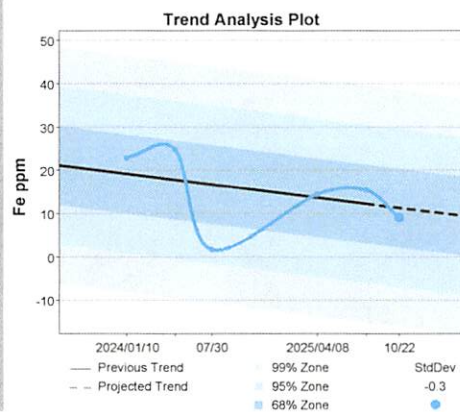
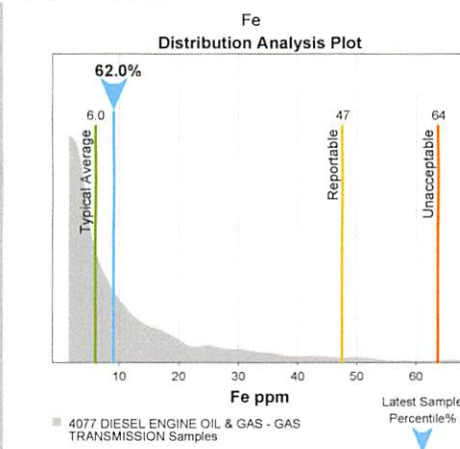
10

Top Trends Analysis

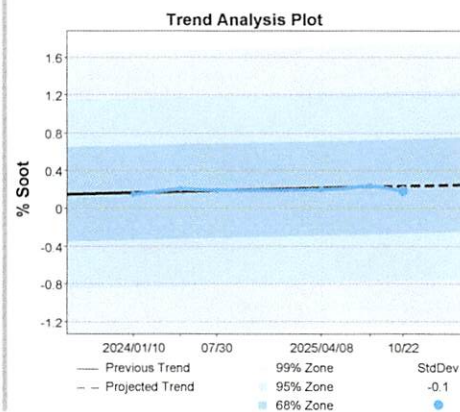
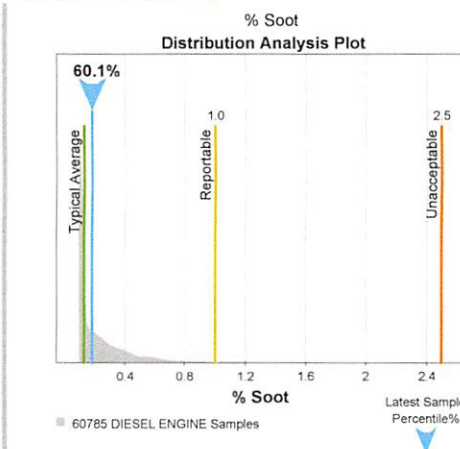
Visc100 Test Rank 2.5



Fe Test Rank 1.7



% Soot Test Rank 1.2



Si Test Rank 1.0

