

## NORMAL WEAR NORMAL CONTAMINATION FLUID CONDITION NORMAL

## Machine Id

## 721061 Component Diesel Engine MOBIL 15W40 (6 GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		GFL0120461	GFL0120452	GFL0108603
	Sample Date		Client Info		07 Jun 2024	08 May 2024	21 Apr 2024
	Machine Age	hrs	Client Info		19551	18812	18812
	Oil Age	hrs	Client Info		500	18812	500
	Filter Age	hrs	Client Info		500	0	500
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	ATTENTION
WEAR	Iron	ppm	ASTM D5185m	>75	49	26	51
	Chromium	ppm	ASTM D5185m	>5	3	2	3
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>4	0	<1	0
	Titanium	ppm	ASTM D5185m	>2	<1	<1	0
	Silver	ppm	ASTM D5185m		0	<1	0
	Aluminum	ppm	ASTM D5185m		2	2	2
	Lead	ppm	ASTM D5185m		1	2	<1
	Copper	ppm	ASTM D5185m		1	<1	<1
	Tin	ppm	ASTM D5185m		0	<1	<1
	Vanadium	ppm	ASTM D5185m		<1	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon		ASTM D5185m	. 05	•	c	
		ppm			9 19	6	14
There is no indication of any contamination in the oil.	Potassium Fuel	ppm	ASTM D5185m			11	
			WC Method		<1.0	<1.0	<1.0
	Water	0/	WC Method	>0.2	NEG	NEG	NEG
	Glycol	%	*ASTM D2982	0	NEG	NEG	NEG
	Soot %	%	*ASTM D7844		2.6	1.4	2.6
	Nitration	Abs/cm	*ASTM D7624		14.3	10.5	13.3
	Sulfation	Abs/.1mm	*ASTM D7415		26.3	21.4	25.0
	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	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
LUID CONDITION	Sodium	ppm	ASTM D5185m	>118	45	24	81
The DN second first state the table of the solution in the list of the second state of the	Boron	ppm	ASTM D5185m		9	6	11
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		62	58	57
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		1015	979	874
	Calcium	ppm	ASTM D5185m		1212	1155	1024
	Phosphorus	ppm	ASTM D5185m		1089	1056	970
	Zinc	ppm	ASTM D5185m		1315	1306	1169
	Sulfur	ppm	ASTM D5185m		3549	3681	3124
	Oxidation	Abs/.1mm	*ASTM D7414	>25	22.7	17.7	20.7
	Base Number (BN)			- 10	8.2	8.5	7.0
		ng tong	10TH D2030		0.2	0.0	1.0

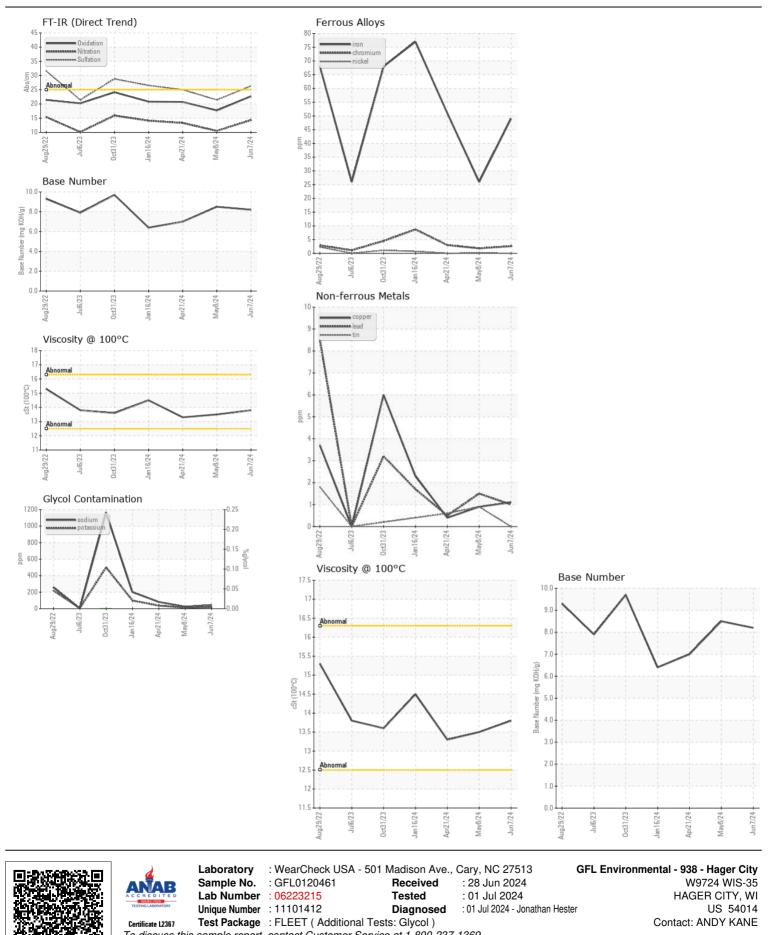
Visc @ 100°C cSt

ASTM D445

13.8

13.5

13.3



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)

Submitted By: See also GFL904,A,B,C, 927, 938 - Andy Kane Page 2 of 2

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