WEAR CONTAMINATION FLUID CONDITION

NORMAL SEVERE ABNORMAL

MANITOU MT625 FOR410 (S/N MLT625-75H-ST3B)

Component
Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number	JOIVI	Client Info	EIIIII/AUII	WC0892402	WC0650144	WC0584456
We advise that you check the fuel injection system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.	Sample Date		Client Info		03 Jan 2024	02 May 2023	10 Jul 2021
	Machine Age	hrs	Client Info		14578	12872	9535
	Oil Age	hrs	Client Info		0	0	250
	Filter Age	hrs	Client Info		0	0	250
	Oil Changed		Client Info		N/A	N/A	Changed
	Filter Changed		Client Info		N/A	N/A	Changed
	Sample Status				SEVERE	NORMAL	ABNORMAL
WEAR	lana.		AOTM DE40E()	400			47
WEAN	Iron	ppm	ASTM D5185(m)		7	11	47
All component wear rates are normal.	Chromium Nickel	ppm	ASTM D5185(m)		0	<1	1
	Titanium	ppm	ASTM D5185(m) ASTM D5185(m)	>4	<1 0	<1	<1
	Silver	ppm	ASTM D5185(m)	~3	0	<1 0	<1
	Aluminum	ppm	ASTM D5185(m)		2	2	3
	Lead	ppm	ASTM D5185(m)		0	<1	<1
	Copper	ppm	ASTM D5185(m)		<1	2	2
	Tin	ppm	ASTM D5185(m)		0	0	<1
	Vanadium	ppm	ASTM D5185(m)		0	0	0
CONTAMINATION							
CONTAMINATION There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.	Silicon	ppm	ASTM D5185(m)		5	6	6
	Potassium	ppm	ASTM D5185(m)		7	4	2
	Fuel	%	ASTM D7593*		● 8.4	<1.0	▲ 3.4
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol	0/	WC Method	0	NEG	NEG	NEG
	Soot % Nitration	%	ASTM D7844*		0.1	0	0.2
	Sulfation	Abs/.1mm	ASTM D7624* ASTM D7415*	>20	8.1 22.1	8.3 20.9	11.9
	Emulsified Water		Visual*	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185(m)	>150	3	2	5
Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.	Boron	ppm	ASTM D5185(m)		33	95	2
	Barium	ppm	ASTM D5185(m)		0	0	0
	Molybdenum	ppm	ASTM D5185(m)		36	12	44
	Manganese	ppm	ASTM D5185(m)		0	<1	<1
	Magnesium	ppm	ASTM D5185(m)		451	117	751
	Calcium	ppm	ASTM D5185(m)		1557	2051	1096
	Phosphorus	ppm	ASTM D5185(m)		696	978	832
	Zinc	ppm	ASTM D5185(m)		790	1042	980
	Sulfur Oxidation	ppm Abs/.1mm	ASTM D5185(m) ASTM D7414*		2017 21.7	2840 18.7	2097 53.5

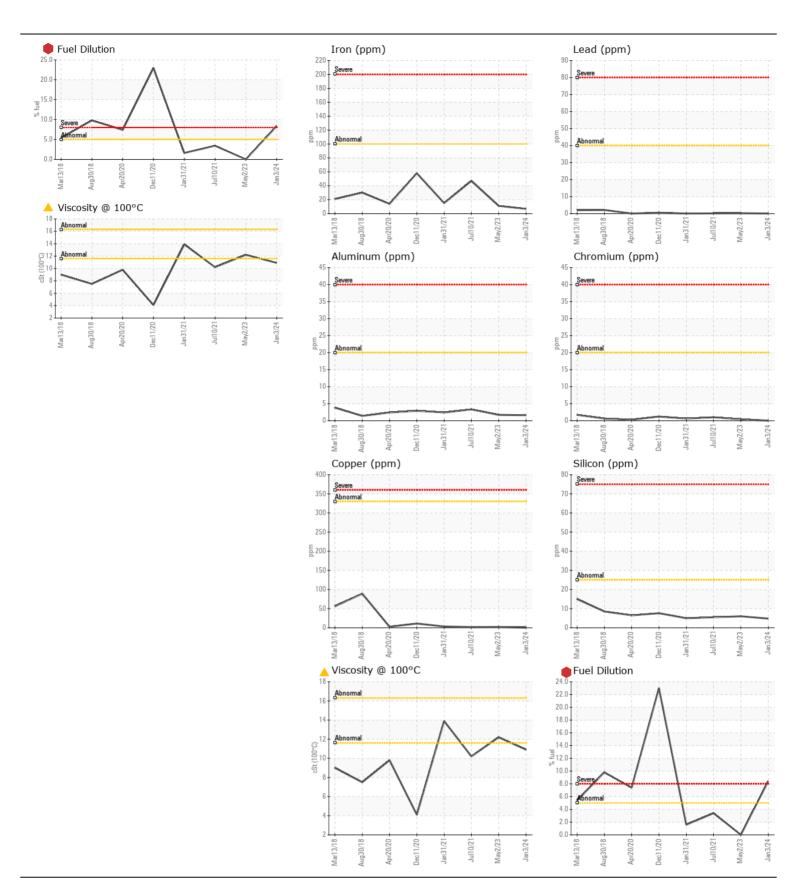
Visc @ 100°C cSt

ASTM D7279(m)

12.2

10.9

10.2





CALA ISO 17025:2017 Accredited

Laboratory Sample No. Lab Number **Unique Number**

: WC0892402

: 5709218

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Recieved : 02608132

Diagnosed

Diagnostician : Wes Davis Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel)

1350 Government Rd. W, MACASSA COMPLEX : 11 Jan 2024 : 12 Jan 2024 Kirkland Lake, ON

CA P2N 3J1 Contact: Jay Gould MacassaMobileUGPlanning@agnicoeagle.com

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

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