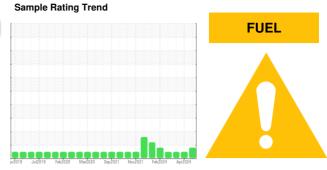


OIL ANALYSIS REPORT





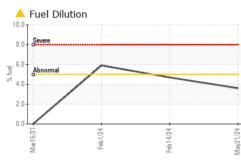
Machine Id **CATERPILLAR 980M L56** Component Diesel Engine

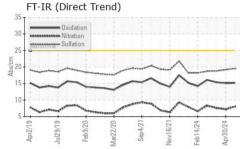
PETRO CANADA DURON HP 15W40 (10 GAL)

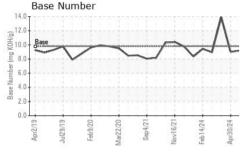
DIAGNOSIS	SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Recommendation The oil change at the time of sampling has been	Sample Number		Client Info		PCA0123727	PCA0118478	PCA0118452
	Sample Date		Client Info		21 May 2024	30 Apr 2024	25 Mar 2024
ed. Resample at the next service interval to	Machine Age	hrs	Client Info		17212	16917	16640
nitor. No other corrective action is recommended	Oil Age	hrs	Client Info		572	500	294
nis time.	Oil Changed		Client Info		Changed	Changed	Changed
ar	Sample Status				MARGINAL	NORMAL	NORMAL
component wear rates are normal.	CONTAMINA		method	limit/base	current	history1	history2
ontamination							
t fuel dilution occurring. No other contaminants the detected in the oil.	Water Glycol		WC Method WC Method	>0.2	NEG NEG	NEG NEG	NEG NEG
d Condition			WC Welliou				
The BN result indicates that there is suitable Ikalinity remaining in the oil. The condition of the il is suitable for further service.	WEAR METAL	S	method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>100	6	17	13
	Chromium	ppm	ASTM D5185m	>20	<1	1	<1
	Nickel	ppm	ASTM D5185m	>2	0	0	0
	Titanium	ppm	ASTM D5185m	>2	<1	<1	<1
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m		2	3	2
	Lead	ppm	ASTM D5185m		0	<1	0
	Copper	ppm	ASTM D5185m		2	5	2
	Tin	ppm	ASTM D5185m		- <1	<1	0
	Vanadium	ppm	ASTM D5185m	210	0	0	0
	Cadmium	ppm	ASTM D5185m		0	0	0
		ррш					
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m		2	0	0
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		52	63	53
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		865	1079	912
	Calcium	ppm	ASTM D5185m		920	1100	955
	Phosphorus	ppm	ASTM D5185m		952	1140	896
	Zinc	ppm	ASTM D5185m		1122	1338	1138
	Sulfur	ppm	ASTM D5185m		2915	3784	3305
	CONTAMINA	NTS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	4	6	4
	Sodium	ppm	ASTM D5185m		<1	<1	2
	Potassium	ppm	ASTM D5185m	>20	0	0	0
	rotabolalli	%	ASTM D3524		▲ 3.6	<1.0	<1.0
	Fuel		10111100021	20			
	Fuel	70					
	Fuel		method	limit/base	current	history1	nistory2
		%	*ASTM D7844	>3	0.3	0.2	0.2
	INFRA-RED			>3			
	INFRA-RED Soot %	%	*ASTM D7844	>3 >20	0.3	0.2	0.2
	INFRA-RED Soot % Nitration	% Abs/cm Abs/.1mm	*ASTM D7844 *ASTM D7624 *ASTM D7415	>3 >20	0.3 8.0 19.5	0.2 7.2	0.2 7.6 18.8
	INFRA-RED Soot % Nitration Sulfation	% Abs/cm Abs/.1mm	*ASTM D7844 *ASTM D7624 *ASTM D7415	>3 >20 >30 limit/base	0.3 8.0 19.5	0.2 7.2 19.2	7.6

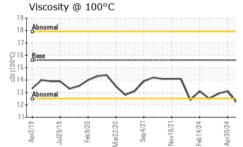


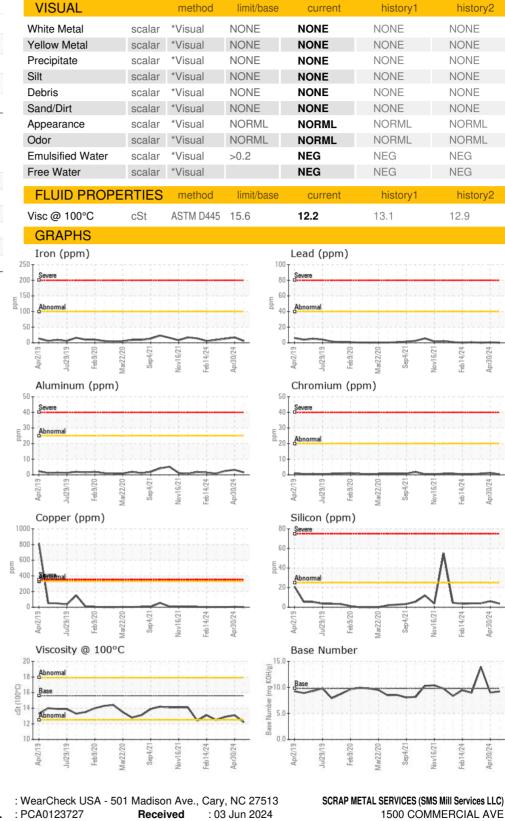
OIL ANALYSIS REPORT











Laboratory Sample No. Lab Number : 06197895 Tested : 06 Jun 2024 MINGO JUNCTION, OH Unique Number : 11060018 Diagnosed : 06 Jun 2024 - Wes Davis Test Package : MOB 2 (Additional Tests: FuelDilution, PercentFuel) Contact: FRANK NALLY Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. fnally@scrapmetalservices.com * - 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)

Report Id: SCRMIN [WUSCAR] 06197895 (Generated: 06/07/2024 03:30:07) Rev: 1

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