

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

117 - MOBIL DELVAC 1300 10W30

Component New (Unused) Oil

{not provided} (--- GAL)

DIAGNOSIS

Recommendation

This is a baseline read-out on the submitted sample.

Contamination

There is a moderate amount of silt (particulates < 6 microns in size) present in the oil.

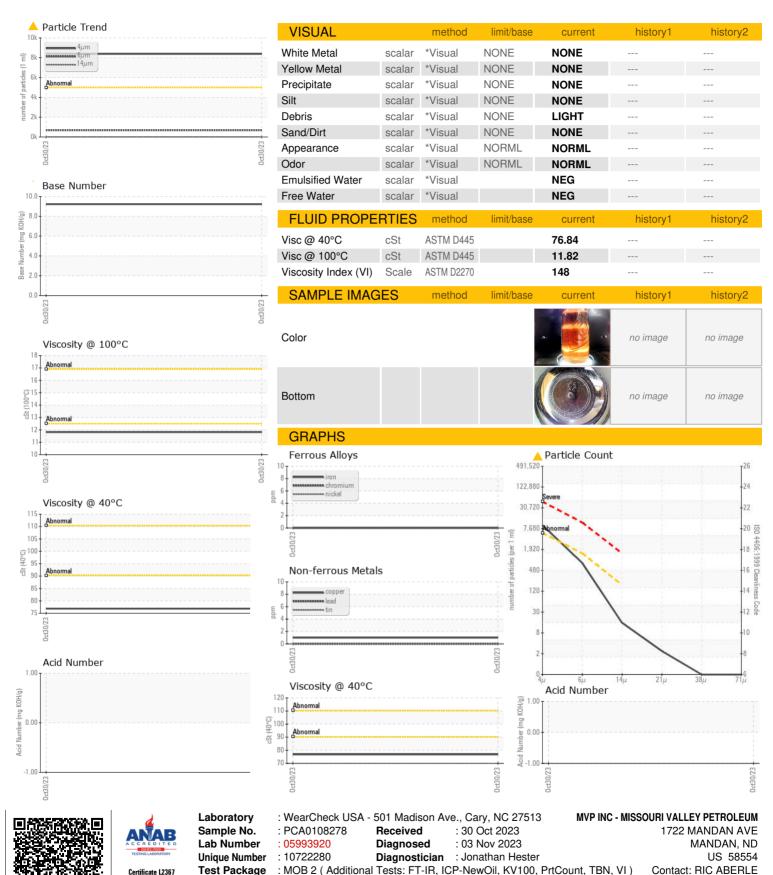
				Oct2023		
SAMPLE INFORM	<u>ΛΔΤΙΩΝΙ</u>	method	limit/base	current	history1	history2
	IATION	Client Info	IIIIIIIIIIII	PCA0108278		Thistory
Sample Number Sample Date		Client Info		30 Oct 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed	1110	Client Info		N/A		
Sample Status		Olichi IIIIo		ATTENTION		
WEAR METALS	3	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m		0		
Chromium	ppm	ASTM D5185m		0		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5105m		0		
Aluminum	ppm	ASTM D5105m		1		
Lead	ppm	ASTM D5185m		0		
Copper	ppm	ASTM D5185m		1		
Tin		ASTM D5185m		0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium		ASTM D5185m		0		
	ppm			U		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		68		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		36		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		508		
Calcium	ppm	ASTM D5185m		1560		
Calcium Phosphorus	ppm ppm	ASTM D5185m ASTM D5185m		1560 748		
Phosphorus	ppm	ASTM D5185m		748		
Phosphorus Zinc	ppm ppm	ASTM D5185m ASTM D5185m	limit/base	748 900		
Phosphorus Zinc Sulfur	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	748 900 2492		
Phosphorus Zinc Sulfur CONTAMINAN	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method	limit/base	748 900 2492 current		
Phosphorus Zinc Sulfur CONTAMINAN Silicon	ppm ppm ppm TS	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m		748 900 2492 current 8		
Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium	ppm ppm ppm TS ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m		748 900 2492 current 8 2		
Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium	ppm ppm ppm TS ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m	>20	748 900 2492 current 8 2 <1	 history1 	 history2
Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium FLUID CLEANL	ppm ppm ppm TS ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m method	>20 limit/base	748 900 2492 current 8 2 <1	 history1 history1	history2 history2
Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium FLUID CLEANL Particles >4µm	ppm ppm ppm TS ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 limit/base >5000	748 900 2492	history1 history1	history2 history2
Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium FLUID CLEANL Particles >4µm Particles >6µm	ppm ppm ppm TS ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647	>20 limit/base >5000 >1300	748 900 2492	history1 history1	history2 history2
Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium FLUID CLEANL Particles >4µm Particles >6µm Particles >14µm	ppm ppm ppm TS ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647	>20 limit/base >5000 >1300 >160	748 900 2492	history1 history1	history2 history2
Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium FLUID CLEANL Particles >4µm Particles >6µm Particles >14µm Particles >21µm	ppm ppm ppm TS ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>20 limit/base >5000 >1300 >160 >40	748 900 2492	history1 history1	history2 history2
Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium FLUID CLEANL Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm	ppm ppm ppm TS ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>20 limit/base >5000 >1300 >160 >40 >10	748 900 2492 current 8 2 <1 current 8384 687 13 2 0	history1 history1	history2 history2

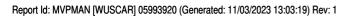
Base Number (BN) mg KOH/g ASTM D2896

9.22



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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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