

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



DN8187-L41

Component

Gasoline Engine

SUPERTECH 5W20 (--- QTS)

Recommendation

Resample at the next service interval to monitor. Please note that this is a corrected copy for laboratory data updates.

All component wear rates are normal.

Contamination

Fuel content negligible. The water content is negligible. There is no indication of any contamination in the oil.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

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SAMPLE INFORM	//ATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		WC0751537		
Sample Date		Client Info		04 Oct 2022		
Machine Age	kms	Client Info		291202		
Oil Age	kms	Client Info		12292		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATIO	V	method	limit/base	current	history 1	history 2
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>150	14		
Chromium	ppm	ASTM D5185m	>130	<1		
Nickel	ppm	ASTM D5185m	>5	<1		
Titanium	ppm	ASTM D5185m	//	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>40	3		
Lead	ppm	ASTM D5185m	>50	0		
Copper	ppm	ASTM D5185m	>155	<1		
Tin	ppm	ASTM D5185m	>100	0		
Vanadium	ppm	ASTM D5185m	>10	<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES	PP		limit/bass		history 1	hiotom, O
		method	limit/base		history 1	history 2
Boron	ppm	ASTM D5185m		26		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		71		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		534		
Calcium	ppm	ASTM D5185m		986		
Phosphorus	ppm	ASTM D5185m		662		
Zinc	ppm	ASTM D5185m		816		
Sulfur	ppm	ASTM D5185m		3178		
CONTAMINANTS		method	limit/base		history 1	history 2
Silicon	ppm	ASTM D5185m	>30	14		
Sodium	ppm	ASTM D5185m	>400	3		
Potassium	ppm	ASTM D5185m	>20	0		
Fuel	%	ASTM D3524	>4.0	2.1		
Water	%	ASTM D6304	>0.2	0.061		
ppm Water	ppm	ASTM D6304	>2000	610.6		
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844		0.1		
Nitration	Abs/cm	*ASTM D7624	>20	10.9		
Culfation	A la a / d as	*ACTM D7415	. 20	00.0		

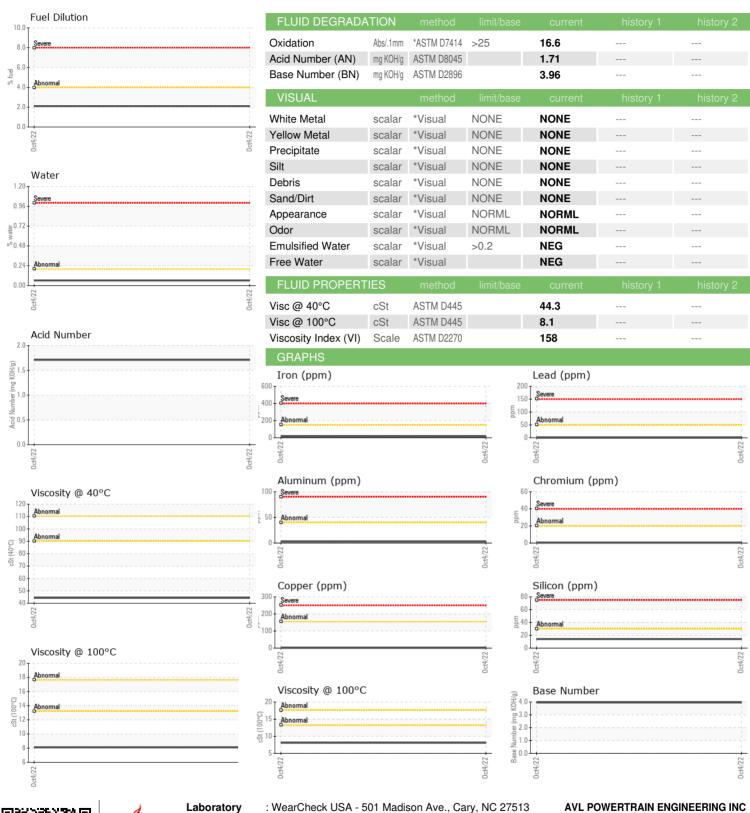
Sulfation

Abs/.1mm *ASTM D7415 >30

23.3



OIL ANALYSIS REPORT





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

: WC0751537 : 05689744

: 10214317

Received Diagnosed

: 09 Nov 2022 : 15 Nov 2022 Diagnostician : Jonathan Hester

47519 HALYARD DRIVE PLYMOUTH, MI US 48170-2438

Test Package : MOB 2 (Additional Tests: fueldilution, KF, KV40, PercentFuel, TBN, VI) Contact: Service Manager Certificate L2367 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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