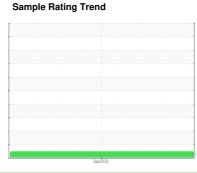


# **OIL ANALYSIS REPORT**

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NORMAL



KA4213-L16

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.

#### Wear

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.

				Sep 2022		
SAMPLE INFOR	RMATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		WC0751543		
Sample Date		Client Info		27 Sep 2022		
Machine Age	kms	Client Info		119156		
Oil Age	kms	Client Info		11985		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATION		method	limit/base	current	history 1	history 2
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history 1	history 2
ron	ppm	ASTM D5185m	>150	27		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>5	<1		
Titanium	ppm	ASTM D5185m	-	<1		
Silver	ppm	ASTM D5185m	>2	3		
Aluminum	ppm	ASTM D5185m	>40	6		
Lead	ppm	ASTM D5185m	>50	0		
Copper	ppm	ASTM D5185m	>155	3		
Fin	ppm	ASTM D5185m	>100	0		
Vanadium	ppm	ASTM D5185m	>10	1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES	РР	method	limit/base	current	history 1	history 2
			mmobase			Thotory 2
Boron	ppm	ASTM D5185m		46		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		88		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		521		
Calcium	ppm	ASTM D5185m		1053		
Phosphorus	ppm	ASTM D5185m		652		
Zinc	ppm	ASTM D5185m		819		
Sulfur	ppm	ASTM D5185m		2837		
CONTAMINANT	S	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>30	24		
Sodium	ppm	ASTM D5185m	>400	7		
Potassium	ppm	ASTM D5185m	>20	0		
Fuel	%	ASTM D3524	>4.0	1.4		
Water	%	ASTM D6304	>0.2	0.106		
opm Water	ppm	ASTM D6304	>2000	1060		
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844		0.1		
Nitration	Abs/cm	*ASTM D7624	>20	12.6		
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.3		



## OIL ANALYSIS REPORT





Lab Number **Unique Number** 

: 05689729

Diagnosed : 10214302

: 15 Nov 2022 Diagnostician : Jonathan Hester

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)

T: F: