

# **OIL ANALYSIS REPORT**

## Sample Rating Trend

## **NORMAL**

SAPP BROS PETROLEUM / OMAHA [20237241004]

New Oil

Component **Diesel Engine** 

SAE 15W40 (--- GAL)





### Recommendation

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

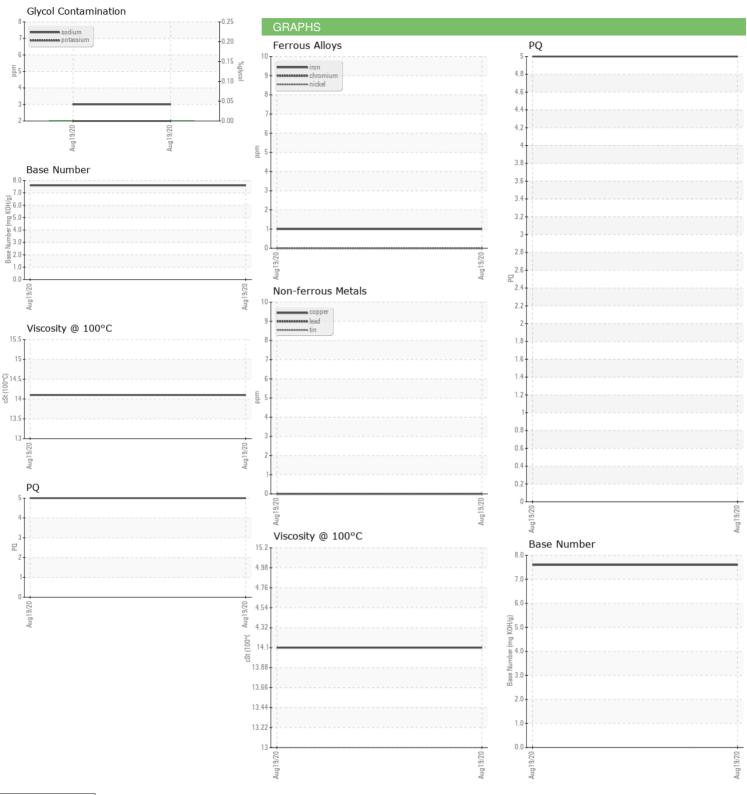
### **Fluid Condition**

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

				Aug2020		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		SBP37241004		
Sample Date		Client Info		19 Aug 2020		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATION	٧	method	limit/base	current	history1	history2
Fuel		WC Method		<1.0		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		5		
Iron	ppm	ASTM D5185(m)		1		
Chromium	ppm	ASTM D5185(m)		0		
Nickel	ppm	ASTM D5185(m)		0		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)		1		
Lead	ppm	ASTM D5185(m)		0		
Copper	ppm	ASTM D5185(m)		0		
Tin	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		46		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		17		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)		158		
Calcium	ppm	ASTM D5185(m)		1973		
Phosphorus	ppm	ASTM D5185(m)		864		
Zinc	ppm	ASTM D5185(m)		1058		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		6		
Sodium	ppm	ASTM D5185(m)		3		
Potassium	ppm	ASTM D5185(m)		2		
Chlorine	ppm	ASTM D5185(m)		0		
Glycol	%	ASTM D7922*		0.0		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*		9		
Base Number (BN)	mg KOH/g	ASTM D2896*		7.6		
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)		14.1		



# **OIL ANALYSIS REPORT**





 Laboratory
 : WearCheck 

 Sample No.
 : SBP37241004
 Received
 : 24 Aug 2020

 Lab Number
 : 37241004
 Diagnosed
 : 22 Jul 2021

**Test Package**: FLEET (Additional Tests: FT-IR, Glycol, ICP, KV100, PQ, TBN) *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.

Diagnostician : Wes Davis

Sapp Bros. Petroleum - Corporate - OMA

9915 South 148th OMAHA, NE US 68138 Contact: Josh Broz JBroz@sappbros.net T: (402)895-2202

Contact/Location: Josh Broz - SAPPCORP

Unique Number : 14445427