

# **OIL ANALYSIS REPORT**

## Sample Rating Trend

### **NORMAL**

# SAPP BROS PETROLEUM / OMAHA [21105301042] **Bulk tank C**

Component **Diesel Engine** 

SAE 15W40 (--- GAL)





### DIAGNOSIS

#### Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. 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 component make and model with your 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 oil.

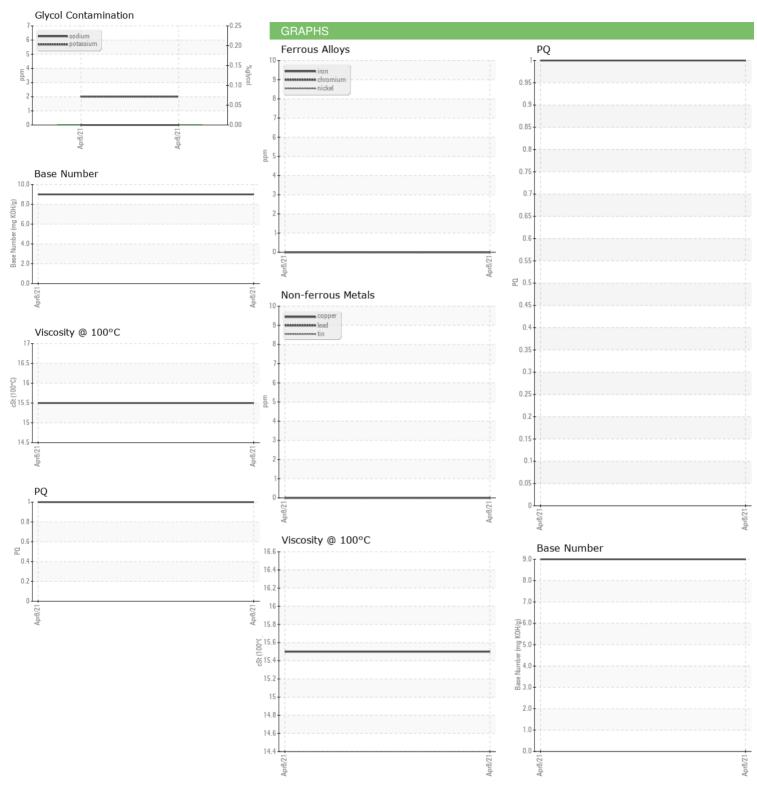
#### **Fluid Condition**

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

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SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		SBP05301042		
Sample Date		Client Info		08 Apr 2021		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATIO	V	method	limit/base	current	history1	history2
Fuel		WC Method		<1.0		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		1		
Iron	ppm	ASTM D5185(m)		0		
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)		3		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		42		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)		712		
Calcium	ppm	ASTM D5185(m)		744		
Phosphorus	ppm	ASTM D5185(m)		784		
Zinc	ppm	ASTM D5185(m)		869		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		3		
Sodium	ppm	ASTM D5185(m)		0		
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*		12		
Base Number (BN)	mg KOH/g	ASTM D2896*		9.0		
FLUID PROPERT	TES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)		15.5		



# **OIL ANALYSIS REPORT**





 Laboratory
 : WearCheck 

 Sample No.
 : SBP05301042
 Received
 : 15 Apr 2021

 Lab Number
 : 05301042
 Diagnosed
 : 22 Jul 2021

 Unique Number
 : 14445095
 Diagnostician
 : Wes Davis

**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.

Sapp Bros. Petroleum - Corporate - OMA

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

Page 2 of 2