

# **OIL ANALYSIS REPORT**

Sample Rating Trend

NORMAL

#### Area LAKE CALUMET Machine Id DOOSAN G35S-7 38-06 (S/N 1811-002 S/N FGBOR-2560-00026) Component

**Diesel Engine** 

0W30 FRAM (--- GAL)

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

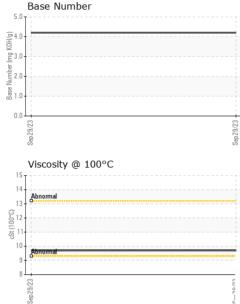
## Fluid Condition

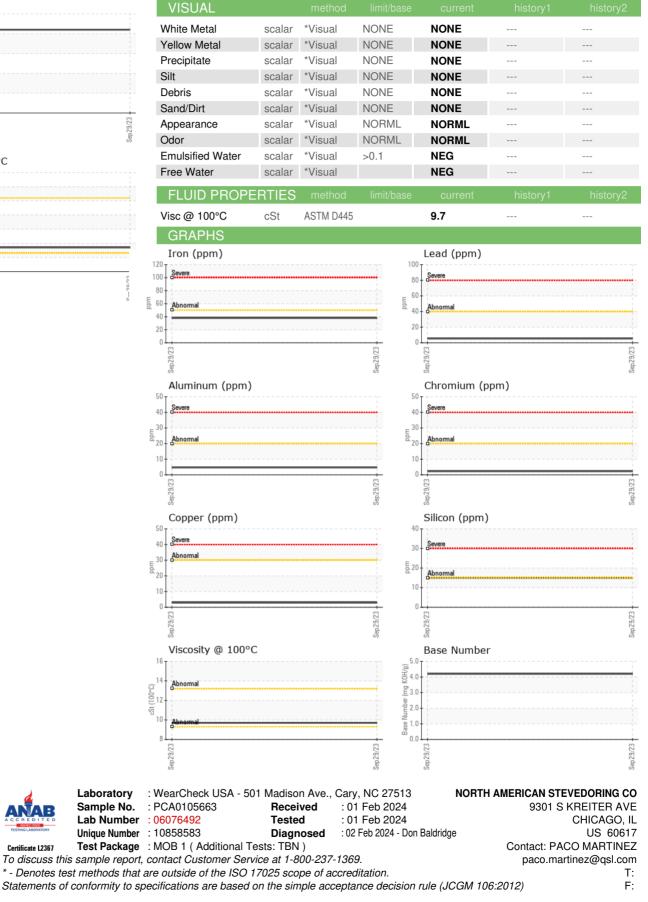
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

				Sep2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0105663		
Sample Date		Client Info		29 Sep 2023		
Machine Age	hrs	Client Info		1000		
Dil Age	hrs	Client Info		1000		
Dil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
<sup>=</sup> uel		WC Method	>3.0	<1.0		
Water		WC Method	>0.1	NEG		
Glycol		WC Method		NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>50	38		
Chromium	ppm	ASTM D5185m	>20	2		
Nickel	ppm	ASTM D5185m	>5	_ <1		
Fitanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	5		
_ead	ppm	ASTM D5185m	>40	5		
Copper	ppm	ASTM D5185m	>30	3		
Гin	ppm	ASTM D5185m	>15	1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		16		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		48		
Vanganese	ppm	ASTM D5185m		2		
Vagnesium	ppm	ASTM D5185m		605		
Calcium	ppm	ASTM D5185m		772		
Phosphorus	ppm	ASTM D5185m		552		
Zinc	ppm	ASTM D5185m		673		
Sulfur	ppm	ASTM D5185m		2185		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	15		
Sodium	ppm	ASTM D5185m		6		
Potassium	ppm	ASTM D5185m	>20	3		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1		
Nitration	Abs/cm	*ASTM D7624	>20	8.3		
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.3		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
	Abo/ 1mm	*ASTM D7414	>25	11.2		
Dxidation	Abs/.1mm	A311VI D7414	225	11.2		



# **OIL ANALYSIS REPORT**





Certificate L2367

Contact/Location: PACO MARTINEZ - NORCHIL