

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

CHICAGO 95TH Machine Id DOOSAN DV250S-7 355-01 (S/N FDC06-2290-00094)

Component Diesel Engine

PETRO CANADA DURON HP 15W40 (--- 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 suitable for further service.

L)			Jun2023	Sep2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0105662	PCA0097250	
Sample Date		Client Info		05 Sep 2023	10 Jun 2023	
Machine Age	hrs	Client Info		17365	5377	
Dil Age	hrs	Client Info		250	0	
Dil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINATI	ON	method	limit/base	current	history1	history2
⁼ uel		WC Method	>3.0	<1.0	<1.0	
Nater		WC Method	>0.1	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METALS	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>50	0	5	
Chromium	ppm	ASTM D5185m	>20	<1	<1	
Nickel	ppm	ASTM D5185m	>5	0	0	
Fitanium	ppm	ASTM D5185m		1	4	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>20	<1	<1	
ead	ppm	ASTM D5185m	>40	2	3	
Copper	ppm	ASTM D5185m	>30	<1	<1	
Tin	ppm	ASTM D5185m	>15	<1	<1	
/anadium	ppm	ASTM D5185m		<1	<1	
Cadmium	ppm	ASTM D5185m		0	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		5	7	
Barium	ppm	ASTM D5185m		0	0	
Volybdenum	ppm	ASTM D5185m		50	45	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m		861	768	
Calcium	ppm	ASTM D5185m		975	1293	
Phosphorus	ppm	ASTM D5185m		977	987	
Zinc	ppm	ASTM D5185m		1162	1211	
Sulfur	ppm	ASTM D5185m		2925	3702	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	3	
Sodium	ppm	ASTM D5185m		2	3	
D = A = = 1 =	ppm	ASTM D5185m	>20	<1	4	
Potassium						
INFRA-RED		method	limit/base	current	history1	history2
INFRA-RED	%	method *ASTM D7844	limit/base	current 0.1	history1 0.2	history2
INFRA-RED Soot %	% Abs/cm					
INFRA-RED Soot % Nitration		*ASTM D7844	>3	0.1	0.2	
INFRA-RED Soot % Nitration	Abs/cm Abs/.1mm	*ASTM D7844 *ASTM D7624 *ASTM D7415	>3 >20	0.1 5.2	0.2 5.9	
Soot % Nitration Sulfation	Abs/cm Abs/.1mm	*ASTM D7844 *ASTM D7624 *ASTM D7415	>3 >20 >30	0.1 5.2 17.4	0.2 5.9 17.8	



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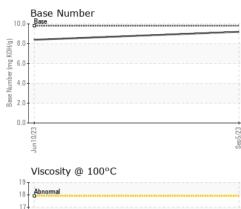
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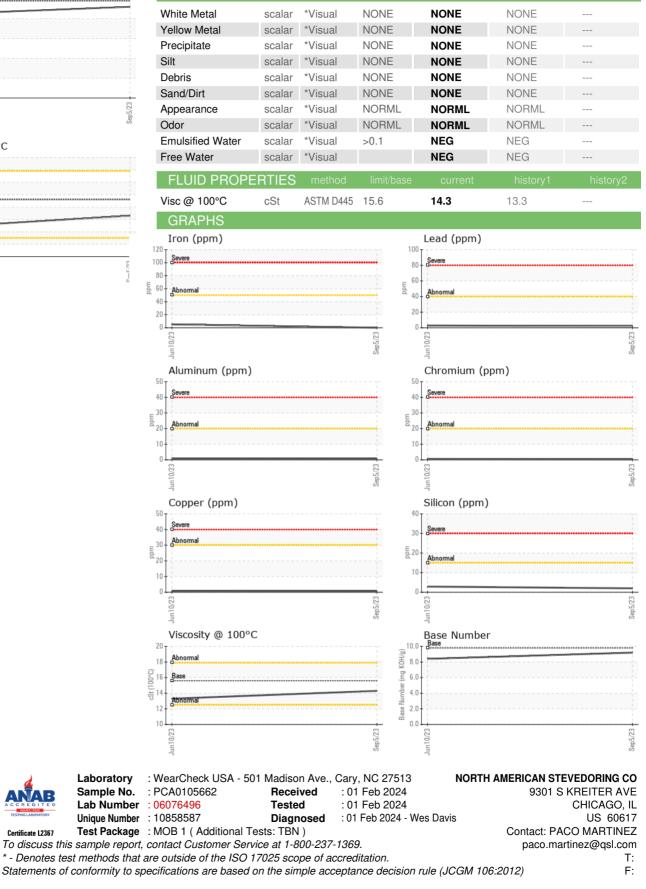
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Abnormal

OIL ANALYSIS REPORT

VISUAL





Certificate L2367

Contact/Location: PACO MARTINEZ - NORCHIL