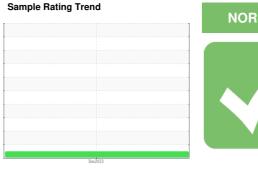


OIL ANALYSIS REPORT

CHICAGO 95TH HYUNDAI HL740-9 L-102 (S/N HHKHLN02PD0000250)

Diesel Engine

PETRO CANADA DURON HP 15W40 (--- GAL)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

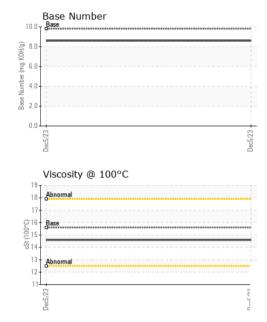
Fluid Condition

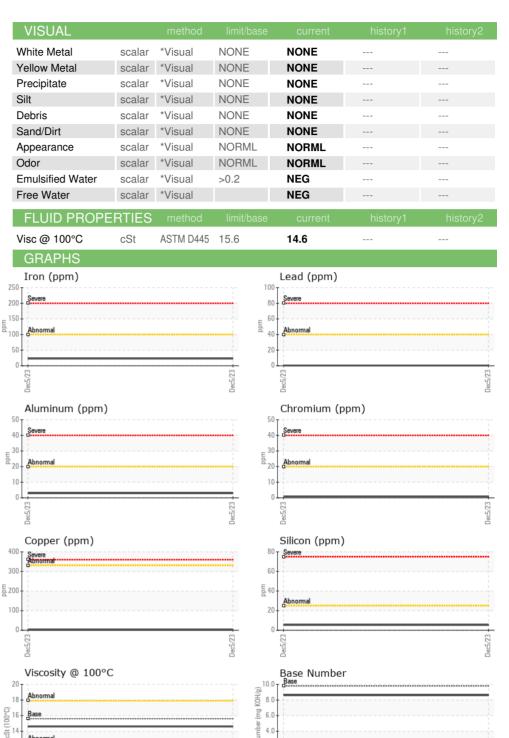
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

AL)				Dec2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0113124		
Sample Date		Client Info		05 Dec 2023		
Machine Age	hrs	Client Info		1853		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	23		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>4	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	3		
Lead	ppm	ASTM D5185m	>40	<1		
Copper	ppm	ASTM D5185m	>330	2		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		6		
Barium	ppm	ASTM D5185m		<1		
Molybdenum	ppm	ASTM D5185m		59		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		965		
Calcium	ppm	ASTM D5185m		1102		
Phosphorus	ppm	ASTM D5185m		1004		
Zinc	ppm	ASTM D5185m		1259		
Sulfur	ppm	ASTM D5185m		2667		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon			0 =			
	ppm	ASTM D5185m	>25	5		
Sodium	ppm	ASTM D5185m ASTM D5185m	>25	5 1		
			>25			
	ppm	ASTM D5185m		1		
Potassium INFRA-RED	ppm	ASTM D5185m ASTM D5185m	>20	1 1		
Potassium INFRA-RED Soot %	ppm	ASTM D5185m ASTM D5185m method	>20 limit/base	1 1 current	history1	 history2
Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm ppm	ASTM D5185m ASTM D5185m method *ASTM D7844	>20 limit/base	1 1 current	history1	history2
Potassium INFRA-RED Soot % Nitration	ppm ppm % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m method *ASTM D7844 *ASTM D7624 *ASTM D7415	>20 limit/base >3 >20	1 1 current 1.1 8.0	history1	history2
Potassium INFRA-RED Soot % Nitration Sulfation	ppm ppm % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m method *ASTM D7844 *ASTM D7624 *ASTM D7415	>20 limit/base >3 >20 >30	1 1 current 1.1 8.0 21.1	 history1 	 history2



OIL ANALYSIS REPORT









Laboratory Sample No.

Lab Number : 06076571 **Unique Number** : 10858662

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: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0113124 Received : 01 Feb 2024

Tested : 01 Feb 2024 : 01 Feb 2024 - Wes Davis Diagnosed

Sase 1

0.0

9301 S KREITER AVE CHICAGO, IL US 60617 Contact: PACO MARTINEZ

paco.martinez@qsl.com

NORTH AMERICAN STEVEDORING CO

Test Package : MOB 1 (Additional Tests: TBN) 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)

Contact/Location: PACO MARTINEZ - NORCHILL

T: