

OIL ANALYSIS REPORT

Sample Rating Trend



NOT GIVEN PCA0092982 (S/N NO INFO ON SIF/BOTTLE)

Diesel Engine

DIESEL ENGINE OIL SAE 40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

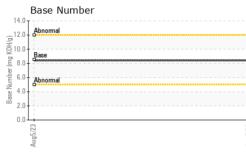
Fluid Condition

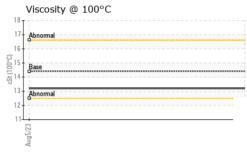
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

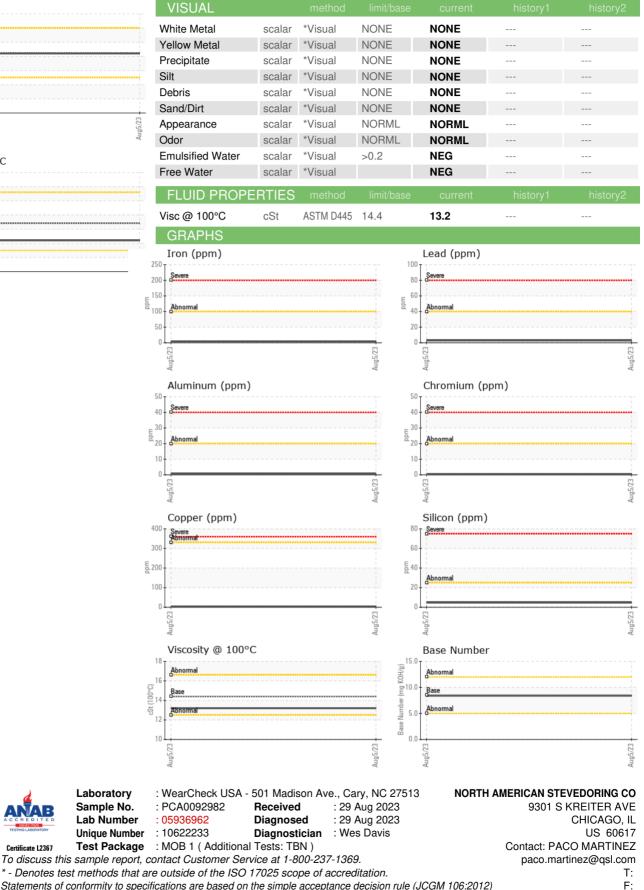
				Aug2023		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0092982		
Sample Date		Client Info		05 Aug 2023		
Machine Age	hrs	Client Info		19500		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATIO	DN .	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Glycol		WC Method		NEG		
WEAR METALS	5	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	4		
	ppm	ASTM D5185m	>20	<1		
	ppm	ASTM D5185m	>4	0		
	ppm	ASTM D5185m		2		
	ppm	ASTM D5185m	>3	0		
	ppm	ASTM D5185m	>20	<1		
	ppm	ASTM D5185m	>40	3		
	ppm	ASTM D5185m	>330	4		
Tin	ppm	ASTM D5185m	>15	<1		
	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	4		
Barium	ppm	ASTM D5185m	10	0		
Molybdenum	ppm	ASTM D5185m	100	39		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	450	667		
Calcium						
	ppm	ASTM D5185m	3000	1195		
Phosphorus	ppm ppm	ASTM D5185m ASTM D5185m				
			3000	1195		
Zinc	ppm	ASTM D5185m	3000 1150	1195 889		
Zinc	ppm ppm ppm	ASTM D5185m ASTM D5185m	3000 1150 1350	1195 889 1097		
Zinc Sulfur CONTAMINANT	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	3000 1150 1350 4250	1195 889 1097 3321		
Zinc Sulfur CONTAMINANT	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method	3000 1150 1350 4250 limit/base	1195 889 1097 3321 current	 history1	 history2
Zinc Sulfur CONTAMINANT Silicon Sodium	ppm ppm ppm S	ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m	3000 1150 1350 4250 limit/base >25	1195 889 1097 3321 current 5	 history1	 history2
Zinc Sulfur CONTAMINANT Silicon Sodium	ppm ppm ppm S ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	3000 1150 1350 4250 limit/base >25 >216	1195 889 1097 3321 current 5 2	 history1 	 history2
Zinc Sulfur CONTAMINANT Silicon Sodium Potassium INFRA-RED	ppm ppm ppm S ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m	3000 1150 1350 4250 limit/base >25 >216 >20	1195 889 1097 3321 current 5 2 3	 history1 	 history2
Zinc Sulfur CONTAMINANT Silicon Sodium Potassium INFRA-RED Soot %	ppm ppm ppm S ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	3000 1150 1350 4250 limit/base >25 >216 >20 limit/base >3	1195 889 1097 3321 current 5 2 3 3 current	 history1 history1	 history2 history2
Zinc Sulfur CONTAMINANT Silicon Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm ppm S ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *ASTM D7844	3000 1150 1350 4250 limit/base >25 >216 >20 limit/base >3	1195 889 1097 3321 current 5 2 3 3 current 0.3	 history1 history1 	 history2 history2
Zinc Sulfur CONTAMINANT Silicon Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm ppm S ppm ppm ppm ppm % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m hethod *ASTM D7844 *ASTM D7624	3000 1150 1350 4250 <i>limit/base</i> >25 >216 >20 <i>limit/base</i> >3 >20	1195 889 1097 3321 current 5 2 3 current 0.3 5.7	 history1 history1 history1	 history2 history2
Zinc Sulfur CONTAMINANT Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation FLUID DEGRAD	ppm ppm ppm S ppm ppm ppm ppm % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *ASTM D7844 *ASTM D7844 *ASTM D7844	3000 1150 1350 4250 Imit/base >25 >216 >20 Imit/base >3 >20 >30	1195 889 1097 3321 current 5 2 3 current 0.3 5.7 17.9	 history1 history1 	 history2 history2 history2



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Certificate L2367