

OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id Q-26 Component Diesel Engine Fluid NOT GIVEN (18 QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. 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.

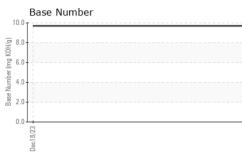
Fluid Condition

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

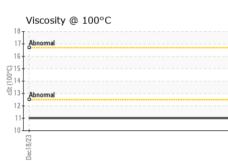
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0109728		
Sample Date		Client Info		18 Dec 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>130	17		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m	>2	<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>20	3		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>125	1		
Tin	ppm	ASTM D5185m	>4	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		2		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		60		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		947		
Calcium	ppm	ASTM D5185m		1046		
Phosphorus	ppm	ASTM D5185m		1000		
Zinc	ppm	ASTM D5185m		1210		
Sulfur	ppm	ASTM D5185m		3302		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	7		
Fuel	%	ASTM D3524	>3.0	<1.0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.2		
Nitration	Abs/cm	*ASTM D7624	>20	7.1		
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.6		
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.2		
Base Number (BN)	mg KOH/g	ASTM D2896		9.70		



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Unique Test P Certificate L2367 To discuss this sample * - Denotes test method Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Submitted By: MATT MANOLI