

OIL ANALYSIS REPORT

Sample Rating Trend





Component Rear Diesel Engine Fluid CASTROL HYPURON 15W40 (--- LTR)

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 condition of the oil is acceptable for the time in service.

SAMPLE INFORM	NATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0083782		
Sample Date		Client Info		29 Nov 2023		
Machine Age	kms	Client Info		264642		
Oil Age	kms	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATI	ON	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0		
Water		WC Method	>0.2	NEG		
WEAR METALS	0	method	limit/base	ourropt	biotory(1	biotory?
	5			current	history1	history2
Iron	ppm	ASTM D5185(m)	>90	40		
Chromium	ppm	ASTM D5185(m)	>20	4		
Nickel	ppm	ASTM D5185(m)	>2	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)	>2	<1		
Aluminum	ppm	ASTM D5185(m)	>20	3		
Lead	ppm	ASTM D5185(m)	>40	1		
Copper	ppm		>330	1		
Tin	ppm	ASTM D5185(m)	>15	0		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		5		
Barium	ppm	ASTM D5185(m)		<1		
Molybdenum	ppm	ASTM D5185(m)		71		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)		1035		
Calcium	ppm	ASTM D5185(m)		1143		
Phosphorus	ppm	ASTM D5185(m)		1025		
Zinc	ppm	ASTM D5185(m)		1271		
Sulfur	ppm	ASTM D5185(m)		2513		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	19		
Sodium	ppm	ASTM D5185(m)		140		
Potassium	ppm	ASTM D5185(m)	>20	20		
Glycol	%	ASTM D7922*		0.0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	0.3		
Nitration	Abs/cm	ASTM D7624*	>20	11.3		
Sulfation	Abs/.1mm	ASTM D7415*	>30	25.3		



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