

OIL ANALYSIS REPORT

DOOSAN DL420-5 DWGCWLBJLL1010785 Component

Diesel Engine

DOOSAN 15W40 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

Wear

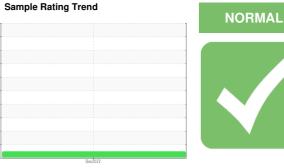
All component wear rates are normal.

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	IATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		WC0713503		
Sample Date		Client Info		28 Dec 2022		
Machine Age	hrs	Client Info		3935		
Oil Age	hrs	Client Info		500		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history 1	history 2
Fuel		WC Method	>5	<1.0		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history 1	history 2
	2222					
Iron Chromium	ppm ppm	ASTM D5185(m) ASTM D5185(m)	>50 >20	3 0		
Nickel		ASTM D5185(m)	>5	0		
Titanium	ppm ppm	ASTM D5185(m)	>5	۰ <1		
Silver	ppm	ASTM D5185(m) ASTM D5185(m)	>3	0		
Aluminum	ppm	ASTM D5185(m)	>20	<1		
Lead	ppm	ASTM D5185(m)	>40	<1		
Copper	ppm	ASTM D5185(m)		1		
Tin	ppm	ASTM D5185(m)	>15	- <1		
Antimony	ppm	ASTM D5185(m)	210	0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185(m)		44		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		36		
Manganese	ppm	ASTM D5185(m)		<1		
Magnesium	ppm	ASTM D5185(m)		522		
Calcium	ppm	ASTM D5185(m)		1726		
Phosphorus	ppm	ASTM D5185(m)		816		
Zinc	ppm	ASTM D5185(m)		868		
Sulfur	ppm	ASTM D5185(m)		2181		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/booo	ourropt	الانتسامة أما	history 2
	,	method	limit/base	current	history 1	Thistory Z
Silicon	ppm	ASTM D5185(m)	>15	8	nistory i	
Silicon Sodium						
	ppm	ASTM D5185(m)		8		
Sodium	ppm ppm	ASTM D5185(m) ASTM D5185(m)	>15	8 2		
Sodium Potassium	ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>15 >20	8 2 <1		
Sodium Potassium INFRA-RED	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) method	>15 >20 limit/base	8 2 <1 current	 history 1	 history 2
Sodium Potassium INFRA-RED Soot %	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) method ASTM D7844*	>15 >20 limit/base >3	8 2 <1 current 0	 history 1 	 history 2
Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm ppm % Abs/cm Abs/.1mm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) method ASTM D7844* ASTM D7624*	>15 >20 limit/base >3 >20	8 2 <1 current 0 5.8	 history 1 	 history 2
Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm % Abs/cm Abs/.1mm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) method ASTM D7844* ASTM D7824* ASTM D7624*	>15 >20 limit/base >3 >20 >30	8 2 <1 current 0 5.8 19.1	 history 1 	 history 2

Contact/Location: Randy Mann - MAN736GUE



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