

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



4VAC Machine Id [4VAC] 4VAC-Z-0001 - ROYAL PURPLE 100 NO DYE

New (Unused) Oil

{not provided} (--- QTS)

Recommendation

This is a baseline read-out on the submitted sample.

			Apr2023	Jul2023		
SAMPLE INFORM	/ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0034818	RP0034816	
Sample Date		Client Info		19 Jul 2023	05 Apr 2023	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Not Changd	N/A	
Sample Status				NORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>5	0	0	
Chromium	ppm	ASTM D5185m	>5	0	0	
Nickel	ppm	ASTM D5185m	>5	0	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m	>5	0	0	
Aluminum	ppm	ASTM D5185m	>5	<1	<1	
Lead	ppm	ASTM D5185m	>5	0	0	
Copper	ppm	ASTM D5185m	>5	<1	0	
Tin	ppm	ASTM D5185m	>5	0	0	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		<1	0	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m		95	63	
Calcium	ppm	ASTM D5185m		8	<1	
Phosphorus	ppm	ASTM D5185m		3	158	
Zinc	ppm	ASTM D5185m		1	15	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	3	
Sodium	ppm	ASTM D5185m		1	<1	
Potassium	ppm	ASTM D5185m	>20	0	0	
Water	%	ASTM D6304		0.015	0.027	
ppm Water	ppm	ASTM D6304		158.3	274.7	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	2837	2232	
Particles >6µm		ASTM D7647	>1300	395	891	
Particles >14µm		ASTM D7647	>160	11	85	
Particles >21µm		ASTM D7647	>40	3	6	
Particles >38µm		ASTM D7647	>10	0	0	
Particles >71μm		ASTM D7647		0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/16/11	18/17/14	

0.40

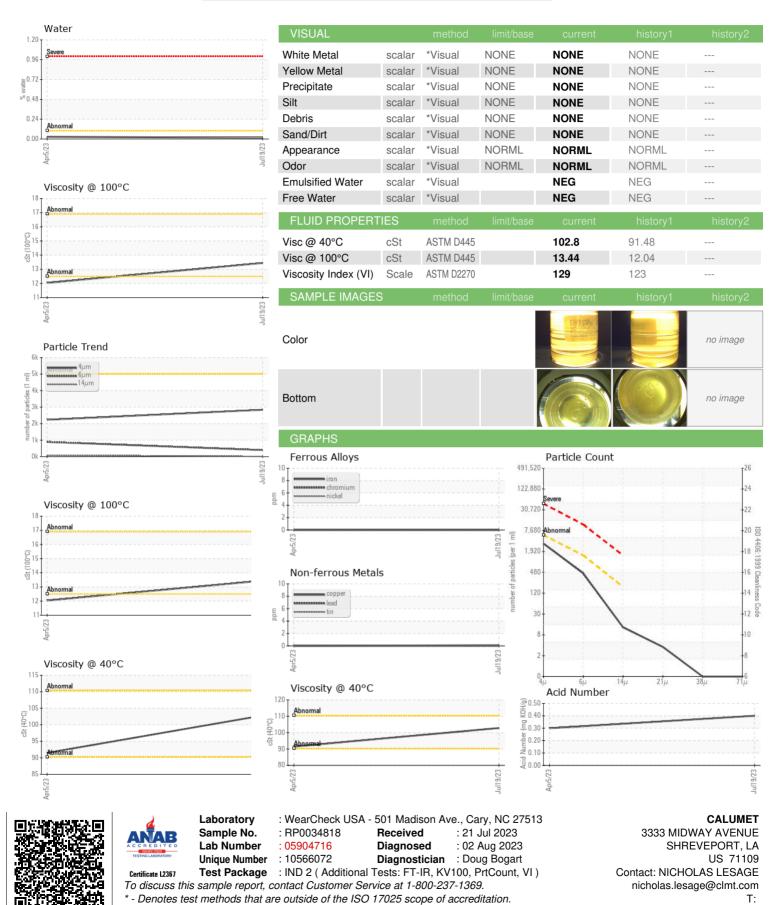
Acid Number (AN)

mg KOH/g ASTM D8045

0.30



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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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