

OIL ANALYSIS REPORT

Area **CDW** [CDW] CDW-Z-U0001 - ROYAL PURPLE 100 NO DYE

New (Unused) Oil

DIAGNOSIS

sample.

ROYAL PURPLE SYNFILM GT 100 (--- QTS)

SAMPLE INFORMATION method limit/base current history1 history2 RP0042849 RP0038937 RP0038999 Sample Number **Client Info** Recommendation This is a baseline read-out on the submitted 12 Jul 2024 Sample Date Client Info 06 Feb 2024 17 Oct 2023 0 0 0 Machine Age hrs **Client Info** Contamination Oil Age hrs Client Info 0 0 0 There is a high amount of silt (particulates < 14 Oil Changed Client Info Not Changd Not Changd Not Changd microns in size) present in the oil. ABNORMAL Sample Status SEVERE ATTENTION WEAR METALS method limit/base current history1 history2 0 0 0 Iron ppm ASTM D5185m >5 Chromium ppm ASTM D5185m >5 0 0 <1 0 Nickel ppm ASTM D5185m >5 0 0 Titanium ASTM D5185m 0 <1 0 ppm 0 0 Silver ppm ASTM D5185m >5 0 Aluminum ASTM D5185m >5 <1 2 ppm <1 Lead ASTM D5185m >5 0 9 <1 ppm ASTM D5185m 0 0 Copper 4 ppm >5 Tin ppm ASTM D5185m >5 0 <1 <1 Vanadium ASTM D5185m 0 <1 0 ppm Cadmium ppm ASTM D5185m 0 0 0 **ADDITIVES** limit/base current history1 history2 method 0 2 18 Boron ppm ASTM D5185m Barium ppm ASTM D5185m <1 0 0 12 2 3 Molybdenum ppm ASTM D5185m 0 0 0 Manganese ppm ASTM D5185m 90 79 Magnesium ASTM D5185m 169 103 ppm 132 13 50 Calcium ppm ASTM D5185m 90 Phosphorus ppm ASTM D5185m 35 18 42 Zinc ASTM D5185m 109 19 22 ppm CONTAMINANTS method limit/base current history history 2 4 3 Silicon ppm ASTM D5185m >15 Sodium ppm ASTM D5185m 1 <1 0 0 Potassium ppm ASTM D5185m >20 1 <1 Water % ASTM D6304 0.030 0.131 0.033 ppm Water **ASTM D6304** 304 **1**310 335.0 ppm **FLUID CLEANLINESS** current limit/base history1 history2 method Particles >4µm ASTM D7647 >5000 12548 7208 2854 Particles >6µm ASTM D7647 >1300 890 >160 147 Particles >14µm ASTM D7647 13 Particles >21µm ASTM D7647 >40 34 3 Particles >38µm ASTM D7647 >10 2 0 Particles >71µm ASTM D7647 >3 0 0 21/19/14 **Oil Cleanliness** ISO 4406 (c) >19/17/14 20/17/11 **FLUID DEGRADATION** method limit/base current history1 history2

Acid Number (AN)

mg KOH/g

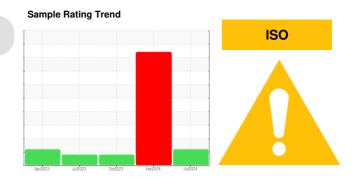
0.388

0.40



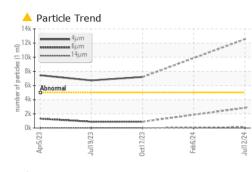
0.39

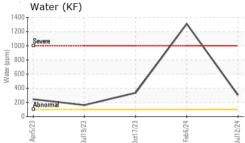
0.41

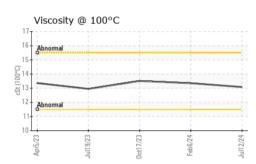


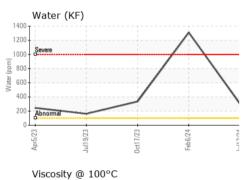


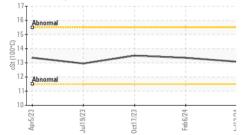
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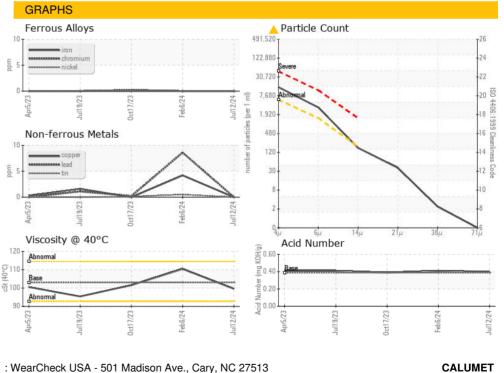
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	🔺 MODER	NONE
Debris	scalar	*Visual	NONE	NONE	🔺 MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	- HAZY	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual		NEG	0.2%	NEG
Free Water	scalar	*Visual		NEG	▲ 10.0	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	103	99.6	110.4	101.6
Visc @ 100°C	cSt	ASTM D445		13.08	13.35	13.51
Viscosity Index (VI)	Scale	ASTM D2270		128	117	132
SAMPLE IMAGES		method	limit/base	current	history1	history2

Color

Bottom







: 16 Jul 2024

3333 MIDWAY AVENUE SHREVEPORT, LA US 71109 Contact: NICHOLAS LESAGE nicholas.lesage@clmt.com T: 5:2012) F:

 Lab Number
 : 06238299
 Tested
 : 19 Jul 2024

 Unique Number
 : 11127133
 Diagnosed
 : 19 Jul 2024 - Jonathan Hester

 Certificate L2367
 Test Package
 : IND 2 (Additional Tests: FT-IR, KV100, PrtCount, VI)
 Contact

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 nicl
 *
 - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Received

: RP0042849

Report Id: CALSHR [WUSCAR] 06238299 (Generated: 07/21/2024 12:51:22) Rev: 1

Laboratory

Sample No.

Submitted By: CODY COMPTON

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