

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

ALMAS ISO VG 680

Component New (Unused) Oil Fluid {not provided} (--- LTR)

DIAGNOSIS

A Recommendation

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

Contamination

There is a high amount of particulates present in the oil.

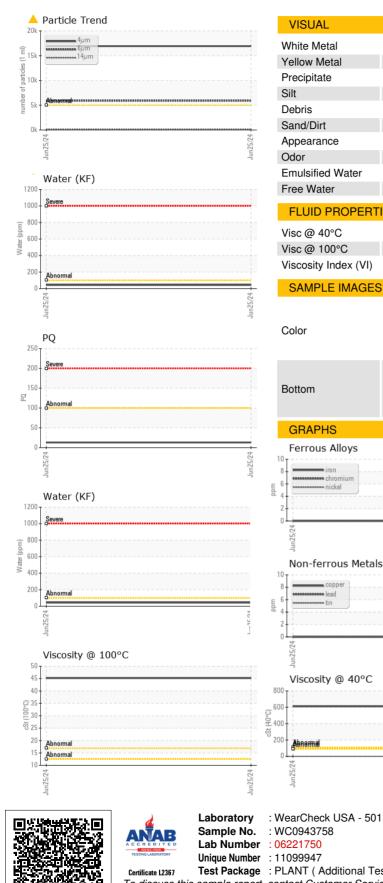
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0943758		
Sample Date		Client Info		25 Jun 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		13		
Iron	ppm	ASTM D5185m	>5	0		
Chromium	ppm	ASTM D5185m	>5	0		
Nickel	ppm	ASTM D5185m	>5	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>5	0		
Aluminum	ppm	ASTM D5185m	>5	0		
Lead	ppm	ASTM D5185m	>5	0		
Copper	ppm	ASTM D5185m	>5	0		
Tin	ppm	ASTM D5185m	>5	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
		una a tha a al	line it /le e e e		la la tanun et	bister 0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m		0		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		2064		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	7		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	<1		
Water	%	ASTM D6304		0.004		
ppm Water	ppm	ASTM D6304		43		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	16917		
Particles >6µm		ASTM D7647	>1300	<u> </u>		
Particles >14µm		ASTM D7647	>160	🔺 167		
Particles >21µm		ASTM D7647	>40	12		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	A 21/20/15		
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.373	 Dation: Nick Swi	

Report Id: GEOGRA [WUSCAR] 06221750 (Generated: 06/30/2024 19:11:27) Rev: 1

Contact/Location: Nick Swiercz - GEOGRA Page 1 of 2



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method limit/base history1 history2 current NONE NONE *Visual scalar *Visual NONE NONE scalar NONE scalar *Visual NONE scalar *Visual NONE NONE *Visual NONE scalar NONE NONE NONE scalar *Visual NORML NORML scalar *Visual *Visual NORML NORML scalar *Visual scalar NEG scalar *Visual NEG FLUID PROPERTIES method limit/base current history history cSt ASTM D445 611.0 cSt ASTM D445 45.18 Scale ASTM D2270 122 method limit/base history1 history2 current no image no image no image no image Particle Count 491.52 122.88 30.72 20 20 Jun25/24 4406 (per 1 1.920 18 1999 Cle 480 120 31 214 Acid Number (B/HOX BW) b 0.20 50.10 0.00 PC lun25/24 : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **BAKELITE CHEMICALS - BEAVER CREEK** Received : 26 Jun 2024 4113 W 4 MILE RD Tested : 28 Jun 2024 GRAYLING, MI Diagnosed : 28 Jun 2024 - Jonathan Hester US 49738 Test Package : PLANT (Additional Tests: FT-IR, KV100, VI) Contact: Nick Swiercz nick.swiercz@bakelite.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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)

Contact/Location: Nick Swiercz - GEOGRA

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