

Chem-Ecol

A2401098

OIL ANALYSIS REPORT

Sample Rating Trend







Component Hydraulic System Fluid

CHEM-ECOL HYDRAULIC 46 AWD (--- GAL)

DIAGNOSIS

Recommendation

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

Wear

{not applicable}

Contamination {not applicable}

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Batch #		Client Info		2980-A		
Department		Client Info		Production		
Sample From		Client Info		Machine		
Production Stage		Client Info		Final		
Sent to WC		Client Info		01/19/2024		
Sample Number		Client Info		E30001224		
Sample Date		Client Info		19 Jan 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	<1		
Chromium	ppm	ASTM D5185(m)	>20	0		
Nickel	ppm	ASTM D5185(m)	>20	0		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>20	<1		
Lead	ppm	ASTM D5185(m)	>20	<1		
Copper	ppm	ASTM D5185(m)	>20	1		
Tin	ppm	ASTM D5185(m)	>20	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)		0		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)		2		
Calcium	ppm	ASTM D5185(m)		61		
Phosphorus	ppm	ASTM D5185(m)		316		
Zinc	ppm	ASTM D5185(m)		392		
Sulfur	ppm	ASTM D5185(m)		817		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	0		
Sodium	ppm	ASTM D5185(m)		0		
Potassium	ppm	ASTM D5185(m)	>20	2		
Water	%	ASTM D6304*	>0.05	0.002		
ppm Water	ppm	ASTM D6304*	>500	19		



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FLUID CLEANLINESS

Particles >4µm

Particles >6um

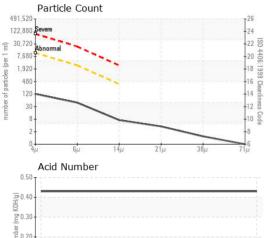
Particles >14µm

Particles >21µm

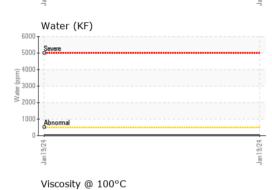
Particles >38µm

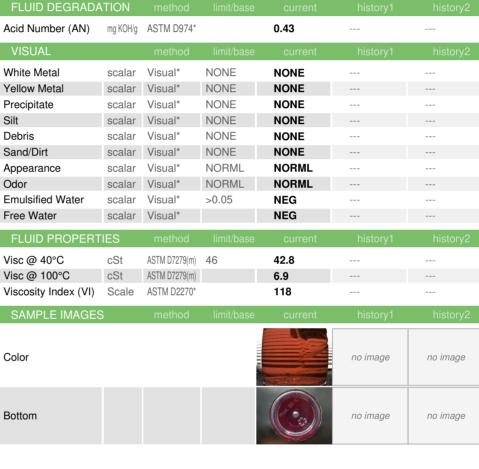
Particles >71µm

Oil Cleanliness









108

41

6

3

1

0

14/13/10

>10000

>2500

>320

>20

>20/18/15

ASTM D7647

ASTM D7647

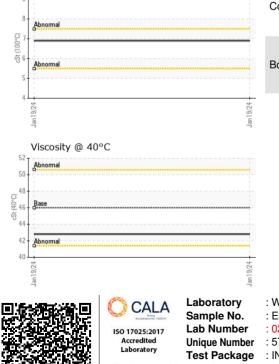
ASTM D7647

ASTM D7647

ISO 4406 (c)

ASTM D7647 >80

ASTM D7647 >4



: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Environmental 360 Solutions Ltd. Recieved : 23 Jan 2024 : E30001224 640 Victoria Street Cobourg, ON : 02610590 Diagnosed : 24 Jan 2024 CA K9A 5H5 : 5711676 Diagnostician : Tatiana Sorkina Test Package : IND 2 (Additional Tests: KF, KV100, VI) Contact: Tatiana Sorkina To discuss this sample report, contact Customer Service at 1-905-372-2251. tsorkina@e360s.ca T: (800)263-3939 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied. F: (905)373-4950