

OIL ANALYSIS REPORT

AstroShapes - A09300 M13305

Component

Hydraulic System

NOT GIVEN (--- GAL)

Sample Rating Trend



Recommendation

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

Wear

Copper and iron ppm levels are noted.

Contamination

{not applicable}

Fluid Condition

{not applicable}

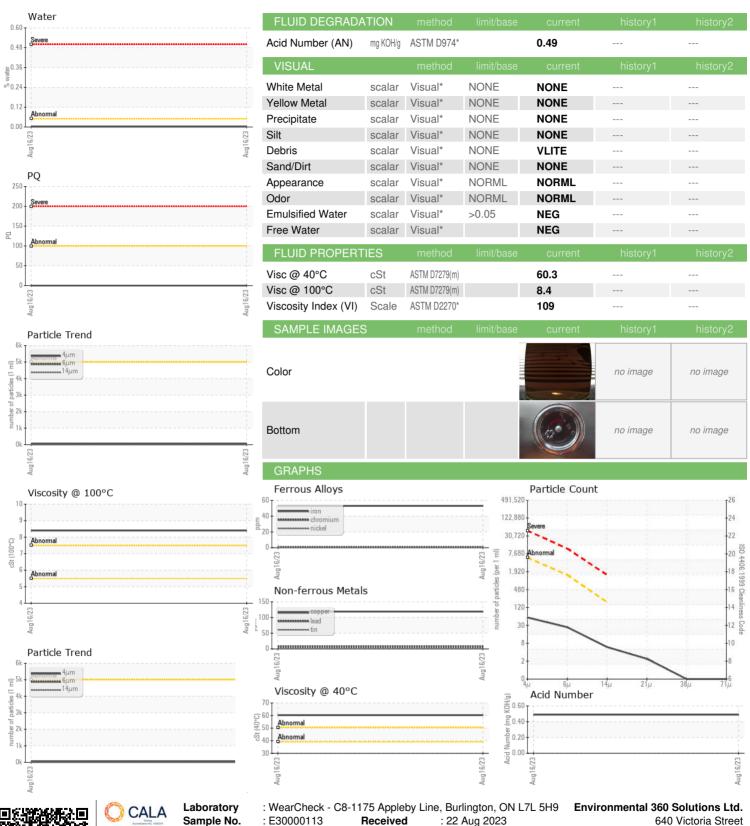
				Aug2023		
SAMPLE INFORM	MOITAN	method	limit/base	current	history1	history2
Sample Number		Client Info		E30000113		
Sample Date		Client Info		16 Aug 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0		
Iron	ppm	ASTM D5185(m)	>20	53		
Chromium	ppm	ASTM D5185(m)	>20	<1		
Nickel	ppm	ASTM D5185(m)	>20	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>20	7		
Lead	ppm	ASTM D5185(m)	>20	8		
Copper	ppm	ASTM D5185(m)	>20	119		
Tin	ppm	ASTM D5185(m)	>20	3		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
		()	limit/lea-		hiotomat	biotowy
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<1		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		0		
Manganese	ppm	ASTM D5185(m)		<1 -		
Magnesium	ppm	ASTM D5185(m)		7		
Calcium	ppm	ASTM D5185(m)		30		
Phosphorus	ppm	ASTM D5185(m)		459		
Zinc	ppm	ASTM D5185(m)		286		
Sulfur	ppm	ASTM D5185(m)		2736		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	2		
Sodium	ppm	ASTM D5185(m)		1		
Potassium	ppm	ASTM D5185(m)	>20	<1		
Water	%	ASTM D6304*	>0.05	0.002		
ppm Water	ppm	ASTM D6304*	>500	22.4		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	49		
Particles >6µm		ASTM D7647	>1300	23		
Particles >14µm		ASTM D7647	>160	5		
Particles >21µm		ASTM D7647	>40	2		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647	>3	0		
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ISO 4406 (c) >19/17/14

Oil Cleanliness



OIL ANALYSIS REPORT





ISO 17025:2017 Accredited

Laboratory

Sample No. Lab Number **Unique Number**

: E30000113

: 5630542

: 02577482

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.

Diagnosed

: 22 Aug 2023 : 25 Aug 2023

Diagnostician : Tatiana Sorkina

Test Package : IND 2 (Additional Tests: KF, KV100, PQ, TAN Man, VI) To discuss this sample report, contact Customer Service at 1-800-268-2131.

Cobourg, ON **CA K9A 5H5** Contact: Tatiana Sorkina tsorkina@e360s.ca T: (800)263-3939 F: (905)373-4950