

OIL ANALYSIS REPORT

Sample Rating Trend NORMAL

Area Chem-Ecol A2404010

Unknown Component

GEAR OIL ISO 150 (--- GAL)

Recommendation

We certify that this oil is clean, that the additives are acceptable, and that it is suitable for use.

				Apr2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Batch #		Client Info		3053-A		
Department		Client Info		Production		
Sample From		Client Info		Machine		
Production Stage		Client Info		Final		
Sent to WC		Client Info		04/04/2024		
Sample Number		Client Info		E30001790		
Sample Date		Client Info		02 Apr 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)		<1		
Chromium	ppm	ASTM D5185(m)		0		
Nickel	ppm	ASTM D5185(m)		0		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)		0		
Lead	ppm	ASTM D5185(m)		0		
Copper	ppm	ASTM D5185(m)		0		
Tin	ppm	ASTM D5185(m)		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	PPIII	method	limit/base		hiotory1	history2
				current	history1	HISTOLYZ
Boron	ppm	ASTM D5185(m)	50	<1		
Barium	ppm	ASTM D5185(m)	15	0		
Molybdenum	ppm	ASTM D5185(m)	15	0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)	50	<1		
Calcium	ppm	ASTM D5185(m)	50	1		
Phosphorus	ppm	ASTM D5185(m)	350	440		
Zinc	ppm	ASTM D5185(m)	100	5		
Sulfur	ppm	ASTM D5185(m)	12500	5591		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		1		
Sodium	ppm	ASTM D5185(m)		0		
Potassium	ppm	ASTM D5185(m)	>20	<1		
Water	%	ASTM D6304*		0.00		

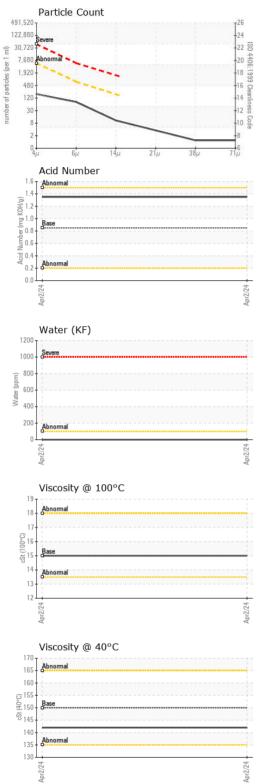
ppm Water

ppm ASTM D6304*

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FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	166		
Particles >6µm		ASTM D7647	>640	69		
Particles >14µm		ASTM D7647	>160	9		
Particles >21µm		ASTM D7647	>40	3		
Particles >38µm		ASTM D7647	>10	1		
Particles >71µm		ASTM D7647	>3	1		
Oil Cleanliness		ISO 4406 (c)	>19/16/14	15/13/10		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.85	1.35		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE		
Yellow Metal	scalar	Visual*	NONE	NONE		
Precipitate	scalar	Visual*	NONE	NONE		
Silt	scalar	Visual*	NONE	NONE		
Debris	scalar	Visual*	NONE	NONE		
Sand/Dirt	scalar	Visual*	NONE	NONE		
Appearance	scalar	Visual*	NORML	NORML		
Odor	scalar	Visual*	NORML	NORML		
Emulsified Water	scalar	Visual*		NEG		
Free Water	scalar	Visual*		NEG		
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	150	142		
Visc @ 100°C	cSt	ASTM D7279(m)	15.0	15.0		
Viscosity Index (VI)	Scale	ASTM D2270*	99	106		
SAMPLE IMAGES	;	method	limit/base	current	history1	history2
Color				0005	no image	no image
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CALA ISO 17025:2017 Accredited Laboratory

Sample No.

Laboratory

: E30001790 Lab Number : 02627339 Unique Number : 5760471

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

Received : 08 Apr 2024 **Tested** : 10 Apr 2024 Diagnosed : 10 Apr 2024 - Tatiana Sorkina

Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI) To discuss this sample report, contact Customer Service at 1-905-372-2251.

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.

Environmental 360 Solutions Ltd.

640 Victoria Street Cobourg, ON CA K9A 5H5

Contact: Tatiana Sorkina tsorkina@e360s.ca T: (800)263-3939

F: (905)373-4950