

OIL ANALYSIS REPORT

FF Soucy - 888047 PG101-R

Component Unknown Component

MISOLA ZS 220 (--- GAL)

Sample Rating Trend NORMAL

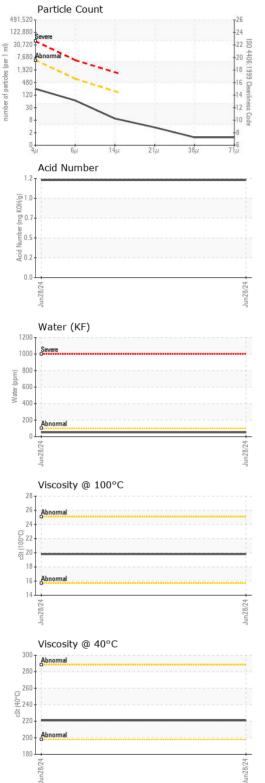
Recommendation

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

		<u> </u>		Jun 2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Department		Client Info		Sales		
Sample From		Client Info		Tote		
Production Stage		Client Info		Lab Reclaim		
Sent to WC		Client Info		06/28/2024		
Sample Number		Client Info		E30002537		
Sample Date		Client Info		28 Jun 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
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WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)		4		
Chromium	ppm	ASTM D5185(m)		0		
Nickel	ppm	ASTM D5185(m)		<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)		<1		
Lead	ppm	ASTM D5185(m)		<1		
Copper	ppm	ASTM D5185(m)		2		
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		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<1		
Barium	ppm	ASTM D5185(m)		7		
Molybdenum	ppm	ASTM D5185(m)		0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)		1		
Calcium	ppm	ASTM D5185(m)		122		
Phosphorus	ppm	ASTM D5185(m)		722		
Zinc	ppm	ASTM D5185(m)		965		
Sulfur	ppm	ASTM D5185(m)		5486		
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)		2		
Potassium	ppm	ASTM D5185(m)	>20	<1		
Water	%	ASTM D6304*		0.005		
ppm Water	ppm	ASTM D6304*		52		



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FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	212		
Particles >6µm		ASTM D7647	>640	59		
Particles >14μm		ASTM D7647	>160	8		
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*		1.18		
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)		221		
Visc @ 100°C	cSt	ASTM D7279(m)		19.8		
Viscosity Index (VI)	Scale	ASTM D2270*		102		
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image



CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

: E30002537 Lab Number : 02645600 Unique Number : 5803139

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received : 04 Jul 2024 **Tested** : 08 Jul 2024 Diagnosed : 09 Jul 2024 - Tatiana Sorkina

Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, TAN Man, 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.

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