

OIL ANALYSIS REPORT

ppm Water

ppm

ASTM D6304*

Arcelor Mittal - D00400 **AM958**

Component **Unknown Component** MORG OIL 220 (--- GAL)

DIAGNOSIS

Recommendation

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

Wear

Iron ppm levels are noted.

Contamination

Particles >6µm are abnormally high. Particles >14µm and oil cleanliness are abnormally high. Particles >21 μ m are notably high.

Fluid Condition

{not applicable}

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SAMPLE INFORM	ATION			Dec2023	histowed	history O
	ATION	method	limit/base	current	history1	history2
Department		Client Info Client Info		Sales Machine		
Sample From		Client Info		Initial		
Production Stage Sent to WC		Client Info		12/15/2023		
		Client Info		E30000703		
Sample Number		Client Info		13 Dec 2023		
Sample Date	bro	Client Info				
	hrs			0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info				
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)		38		
Chromium	ppm	ASTM D5185(m)		<1		
Nickel	ppm	ASTM D5185(m)		<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		<1		
Aluminum	ppm	ASTM D5185(m)		<1		
Lead	ppm	ASTM D5185(m)		<1		
	ppm	ASTM D5185(m)		2		
	ppm	ASTM D5185(m)		1		
	ppm	ASTM D5185(m)		0		
	ppm	ASTM D5185(m)		0		
	ppm	ASTM D5185(m)		0		
	ppm	ASTM D5185(m)		0		
ADDITIVES	1- 1-	method	limit/base	current	history1	history2
_					motory	motory
	ppm	ASTM D5185(m)		<1		
	ppm	ASTM D5185(m)		<1		
	ppm	ASTM D5185(m)		0		
	ppm	ASTM D5185(m)		0		
	ppm	ASTM D5185(m)		7		
	ppm	ASTM D5185(m)		10		
	ppm	ASTM D5185(m)		8		
	ppm	ASTM D5185(m)		7		
	ppm	ASTM D5185(m)		3560		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		2		
Sodium	ppm	ASTM D5185(m)		1		
Potassium	ppm	ASTM D5185(m)	>20	<1		
Water	%	ASTM D6304*		0.004		

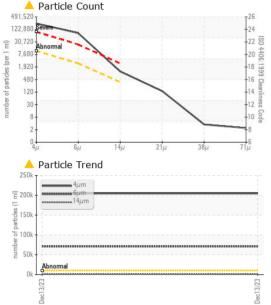
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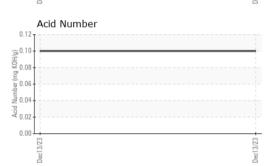
Sample Rating Trend

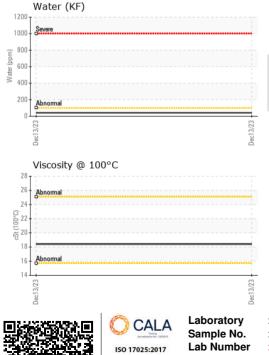
ISO



OIL ANALYSIS REPORT







FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	204615		
Particles >6µm		ASTM D7647	>2500	<u> </u>		
Particles >14µm		ASTM D7647	>320	<u> </u>		
Particles >21µm		ASTM D7647	>80	119		
Particles >38µm		ASTM D7647	>20	3		
Particles >71µm		ASTM D7647	>4	2		
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u> </u>		
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		0.10		
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 PROPERTI	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)		212		
Visc @ 100°C	cSt	ASTM D7279(m)		18.4		
Viscosity Index (VI)	Scale	ASTM D2270*		95		
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Environmental 360 Solutions Ltd. : E30000703 Recieved : 19 Dec 2023 640 Victoria Street : 02604274 Diagnosed : 22 Dec 2023 Cobourg, ON Accredited Laboratory Unique Number : 5697359 Diagnostician : Tatiana Sorkina CA K9A 5H5 Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, TAN Man, 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