



PROBLEM SUMMARY

Sample Rating Trend

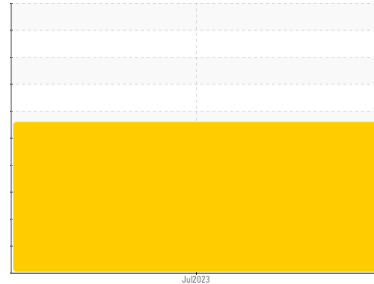
WATER



Machine Id
10309

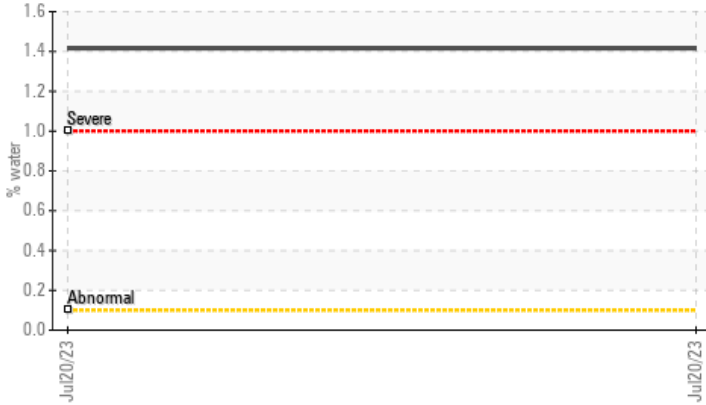
Component
Reduction Gear

Fluid
ESSO SPARTAN EP 220 (--- GAL)

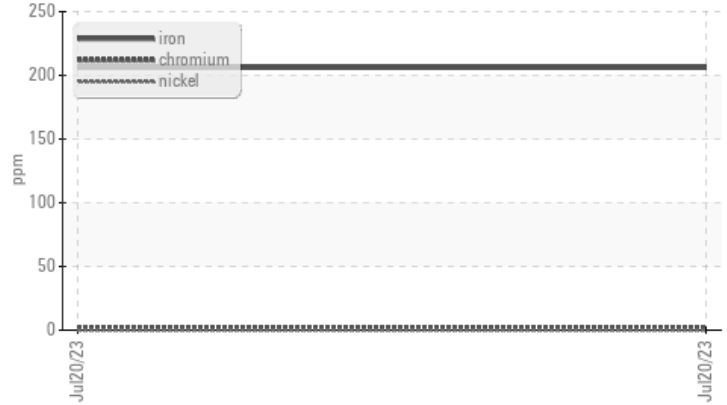


COMPONENT CONDITION SUMMARY

Water



Ferrous Alloys



RECOMMENDATION

Nous vous recommandons de vérifier la source de l'infiltration d'eau. Vérifier les scelles et/ou les filters pour des points d'entrée des contaminants. Nous recommandons de faire un changement d'huile ou une filtration d'huile. Nous ne pouvons pas recommander des mesures précises en raison du peu d'information que nous avons quant à la capacité du réservoir et/ou le type de lubrifiant. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. À NOTER: S.V.P. inclure, avec le prochain échantillon, des détails de la capacité du réservoir et le type et le degré de filtration.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	---	---
Water	%	ASTM D6304*	>0.1	1.416	---	---
ppm Water	ppm	ASTM D6304*	>1000	14163.7	---	---
Appearance	scalar	Visual*	NORML	WGOIL	---	---
Emulsified Water	scalar	Visual*	>0.1	.5%	---	---
Free Water	scalar	Visual*		5%	---	---

Customer Id: ALCJONBHB
Sample No.: WC0836877
Lab Number: 02575251
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Kevin Marson +1 (289)291-4644 x4644
Kevin.Marson@wearcheck.com

To change component or sample information:
Gloria Gonzalez +1 (289)291-4643 x4643
gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Resample	---	---	?	We recommend an early resample to monitor this condition.
Information Required	---	---	?	NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.
Check Water Access	---	---	?	We advise that you check for the source of water entry.
Check Seals	---	---	?	Check seals and/or filters for points of contaminant entry.
Filter Fluid	---	---	?	We recommend either performing an oil change or oil filtration. We cannot recommend specific action as we have limited information with regards to reservoir capacity and/or lubricant type.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend

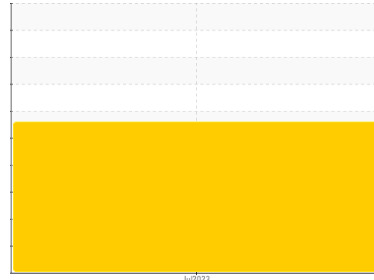
WATER



Machine Id
10309

Component
Reduction Gear

Fluid
ESSO SPARTAN EP 220 (--- GAL)



DIAGNOSIS

Recommendation

Nous vous recommandons de vérifier la source de l'infiltration d'eau. Vérifier les scelles et/ou les filters pour des points d'entrée des contaminants. Nous recommandons de faire un changement d'huile ou une filtration d'huile. Nous ne pouvons pas recommander des mesures précises en raison du peu d'information que nous avons quant à la capacité du réservoir et/ou le type de lubrifiant. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. À NOTER: S.V.P. inclure, avec le prochain échantillon, des détails de la capacité du réservoir et le type et le degré de filtration.

Wear

Les taux d'usure de tous les composants sont normaux.

Contamination

Concentration élevée d'eau dans l'huile. Présence d'eau libre.

Fluid Condition

Le AN est acceptable pour ce fluide. l'huile ne peut plus être utilisée en raison de la présence de contaminants.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0836877	---	---
Sample Date	Client Info		20 Jul 2023	---	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			SEVERE	---	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		0	---	---
Iron	ppm	ASTM D5185(m) >150	206	---	---
Chromium	ppm	ASTM D5185(m) >10	2	---	---
Nickel	ppm	ASTM D5185(m) >10	0	---	---
Titanium	ppm	ASTM D5185(m)	0	---	---
Silver	ppm	ASTM D5185(m)	0	---	---
Aluminum	ppm	ASTM D5185(m) >25	3	---	---
Lead	ppm	ASTM D5185(m) >100	0	---	---
Copper	ppm	ASTM D5185(m) >50	<1	---	---
Tin	ppm	ASTM D5185(m) >10	0	---	---
Antimony	ppm	ASTM D5185(m) >5	0	---	---
Vanadium	ppm	ASTM D5185(m)	0	---	---
Beryllium	ppm	ASTM D5185(m)	0	---	---
Cadmium	ppm	ASTM D5185(m)	<1	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) .5	2	---	---
Barium	ppm	ASTM D5185(m)	0	---	---
Molybdenum	ppm	ASTM D5185(m) 0	0	---	---
Manganese	ppm	ASTM D5185(m)	1	---	---
Magnesium	ppm	ASTM D5185(m) 0	0	---	---
Calcium	ppm	ASTM D5185(m) 1.7	4	---	---
Phosphorus	ppm	ASTM D5185(m) 250	200	---	---
Zinc	ppm	ASTM D5185(m) .3	5	---	---
Sulfur	ppm	ASTM D5185(m)	10566	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

CONTAMINANTS

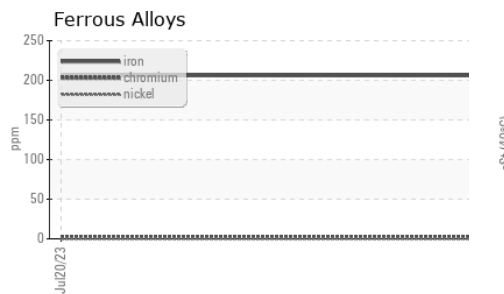
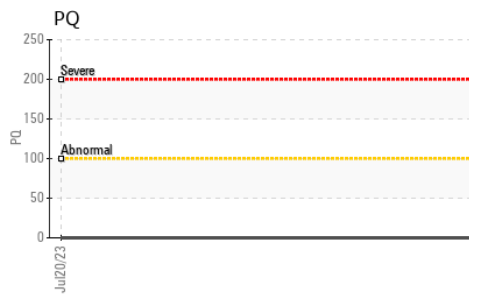
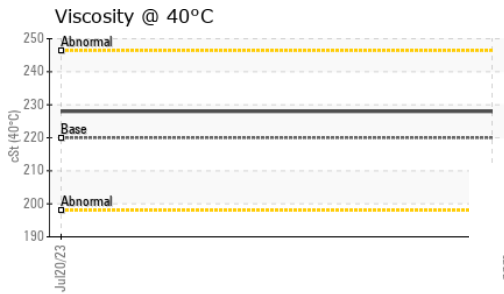
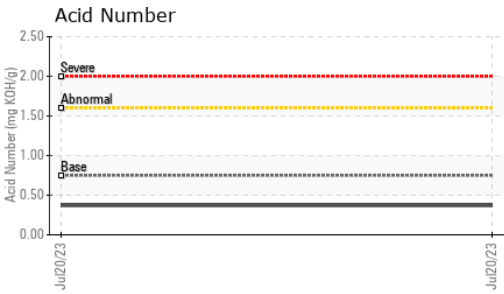
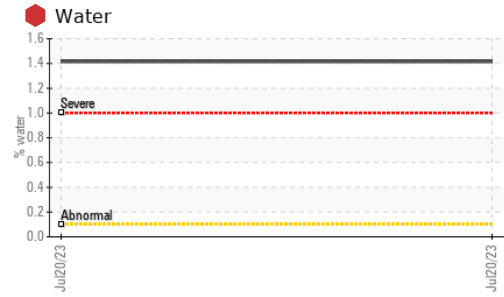
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	3	---	---
Sodium	ppm	ASTM D5185(m)	2	---	---
Potassium	ppm	ASTM D5185(m) >20	<1	---	---
Water	%	ASTM D6304* >0.1	1.416	---	---
ppm Water	ppm	ASTM D6304* >1000	14163.7	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 0.75	0.37	---	---



OIL ANALYSIS REPORT



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	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	VLITE	---
Appearance	scalar	Visual*	NORML	▲ WGOIL	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	▲ .5%	---
Free Water	scalar	Visual*		▲ 5%	---

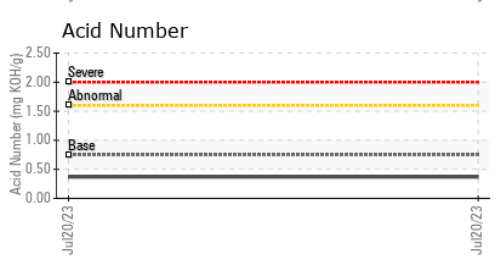
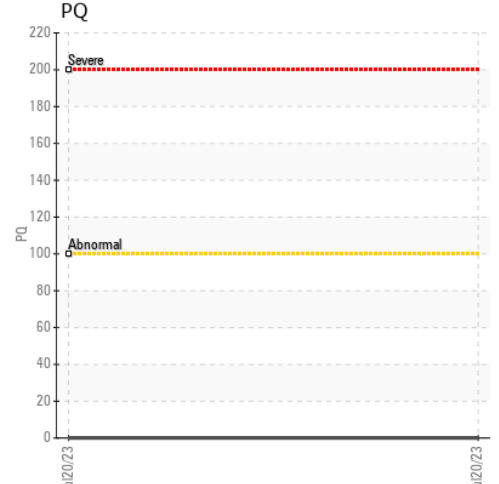
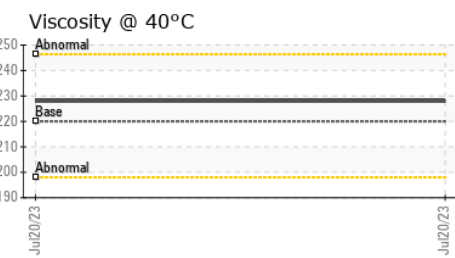
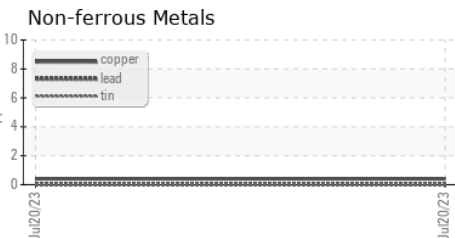
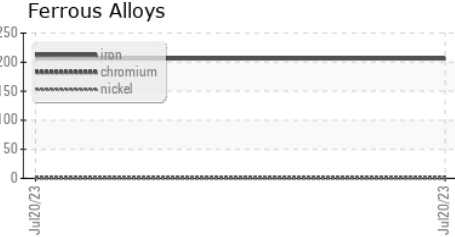
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	220	228	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color

			no image	no image
Bottom			no image	no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Rio Tinto Alcan - USINE VAUDREUIL BHB (Mill - Aluminium)
Sample No. : WC0836877 **Received** : 10 Aug 2023 1955 BD. MELLON, EDIFICE 401
Lab Number : 02575251 **Diagnosed** : 11 Aug 2023 JONQUIERE, QC
Unique Number : 5620302 **Diagnostician** : Kevin Marson CA G7S 4L2
Test Package : IND 2 (Additional Tests: KF) Contact: Dany Bonneau

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 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.

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