

Machine Id
OR1087

Component
Hydraulic System

Fluid
AW HYDRAULIC OIL ISO 32 (--- GAL)

DIAGNOSIS

Recommendation

Vérifier les scelles et/ou les filters pour des points d'entrée des contaminants. Le reniflard d'air doit être réparé. S'il n'est pas classé, nous vous recommandons de le remplacer par un reniflard à air adapté au micron et / ou au dessicant. Si évalué, nous vous recommandons de réparer / remplacer le reniflard. Nous recommandons le remplacement des filtres de ce composant. Échantillonner de nouveau dans 30 à 45 jours afin de contrôler la situation.

Wear

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

Contamination

Il y a une grande quantité de limon (particules de 4 à 14 microns) dans l'huile.

Fluid Condition

l'huile peut encore servir si la contamination peut être réduite à un niveau acceptable.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PC0078590	PC0078570	PC0067347
Sample Date	Client Info	13 Nov 2023	25 Oct 2023	18 May 2023
Machine Age	hrs	5354	51567	51567
Oil Age	hrs	0	0	0
Oil Changed	Client Info	Not Chngd	Not Chngd	Not Chngd
Sample Status		SEVERE	ABNORMAL	SEVERE

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >20	10	10	8
Chromium	ppm ASTM D5185(m) >10	2	2	1
Nickel	ppm ASTM D5185(m) >10	0	<1	0
Titanium	ppm ASTM D5185(m)	0	0	<1
Silver	ppm ASTM D5185(m)	<1	<1	0
Aluminum	ppm ASTM D5185(m) >10	<1	<1	1
Lead	ppm ASTM D5185(m) >10	<1	<1	<1
Copper	ppm ASTM D5185(m) >75	5	5	4
Tin	ppm ASTM D5185(m) >10	0	0	0
Antimony	ppm ASTM D5185(m)	0	0	0
Vanadium	ppm ASTM D5185(m)	0	0	0
Beryllium	ppm ASTM D5185(m)	0	0	0
Cadmium	ppm ASTM D5185(m)	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m) 5	8	9	9
Barium	ppm ASTM D5185(m) 5	<1	<1	6
Molybdenum	ppm ASTM D5185(m) 5	3	3	4
Manganese	ppm ASTM D5185(m)	0	0	<1
Magnesium	ppm ASTM D5185(m) 25	82	90	84
Calcium	ppm ASTM D5185(m) 200	190	205	204
Phosphorus	ppm ASTM D5185(m) 300	407	451	439
Zinc	ppm ASTM D5185(m) 370	490	532	480
Sulfur	ppm ASTM D5185(m) 2500	1417	1547	1525
Lithium	ppm ASTM D5185(m)	<1	<1	<1

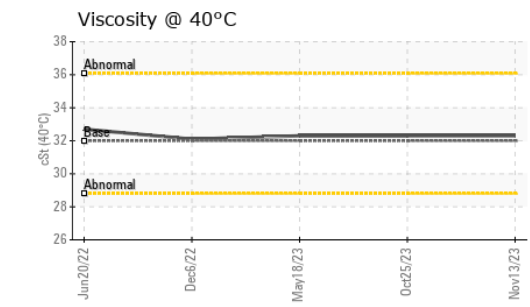
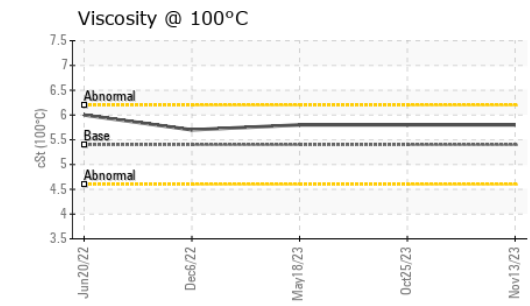
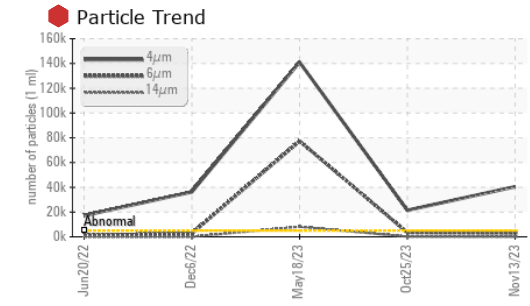
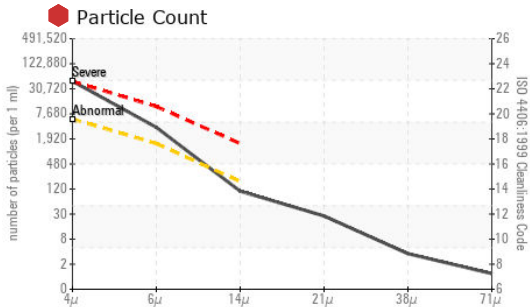
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >20	1	1	4
Sodium	ppm ASTM D5185(m)	2	2	3
Potassium	ppm ASTM D5185(m) >20	0	0	<1

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	40484	21411	141024
Particles >6µm	ASTM D7647 >1300	3174	3515	77316
Particles >14µm	ASTM D7647 >160	94	139	8153
Particles >21µm	ASTM D7647 >40	24	25	1759
Particles >38µm	ASTM D7647 >10	3	2	28
Particles >71µm	ASTM D7647 >3	1	0	1
Oil Cleanliness	ISO 4406 (c) >19/17/14	23/19/14	22/19/14	24/23/20

OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	NONE	▲ VLITE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	▲ LIGHT
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	32	32.3	32.3	32.3
Visc @ 100°C	cSt	ASTM D7279(m)	5.4	5.8	5.8	5.8
Viscosity Index (VI)	Scale	ASTM D2270*	102	122	122	122

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					
PrtFilter				no image	no image



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 737 - Quebec City Hauling
Sample No. : PC0078590 **Received** : 17 Nov 2023 6205 Boul. Wilfrid Hamel,
Lab Number : **02597101** **Diagnosed** : 20 Nov 2023 Quebec City, QC
Unique Number : 5682181 **Diagnostician** : Kevin Marson CA G2E 5G8
Test Package : MOB 1 (Additional Tests: KV100, PrtCount, VI) Contact: Manon Cote
 mcote@matrec.ca

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.