



Machine Id
KOMATSU 13709
Component
Hydraulic System
Fluid
SAE 10W30 (--- GAL)



DIAGNOSIS

Recommendation
Nous recommandons le remplacement des filtres de ce composant. 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. Veuillez préciser la marque, le type et la viscosité de l'huile lors de votre prochain échantillon.

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

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

Fluid Condition
Le AN est acceptable pour ce fluide. 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		PC0070521	---	---
Sample Date	Client Info		14 Feb 2024	---	---
Machine Age	hrs Client Info		9636	---	---
Oil Age	hrs Client Info		0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ABNORMAL	---	---

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		0	---	---
Iron	ppm ASTM D5185(m)	>20	22	---	---
Chromium	ppm ASTM D5185(m)	>10	<1	---	---
Nickel	ppm ASTM D5185(m)	>10	<1	---	---
Titanium	ppm ASTM D5185(m)		0	---	---
Silver	ppm ASTM D5185(m)		0	---	---
Aluminum	ppm ASTM D5185(m)	>10	3	---	---
Lead	ppm ASTM D5185(m)	>10	2	---	---
Copper	ppm ASTM D5185(m)	>75	7	---	---
Tin	ppm ASTM D5185(m)	>10	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	---	---

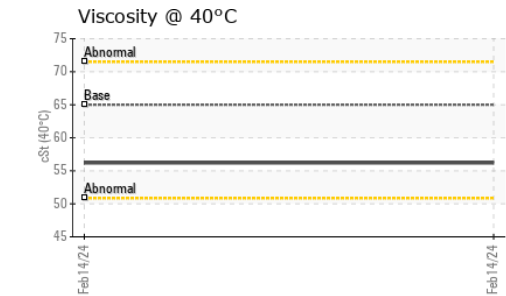
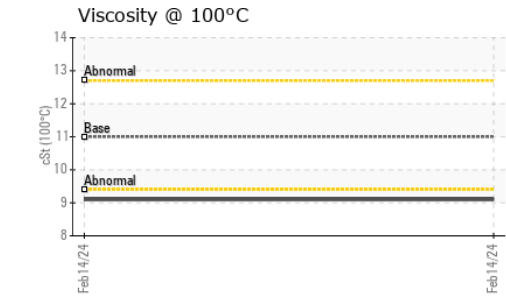
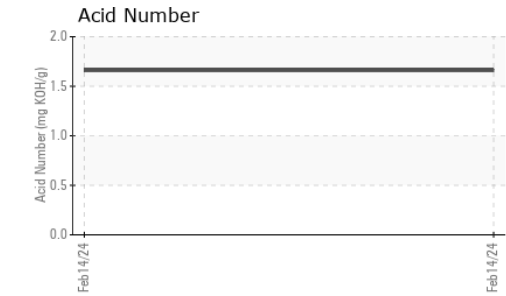
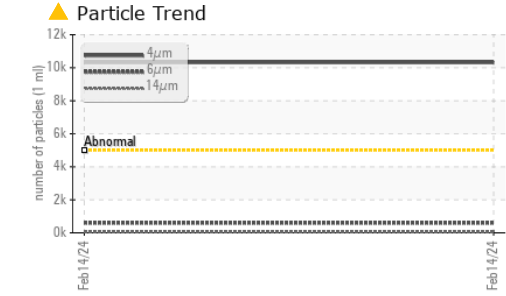
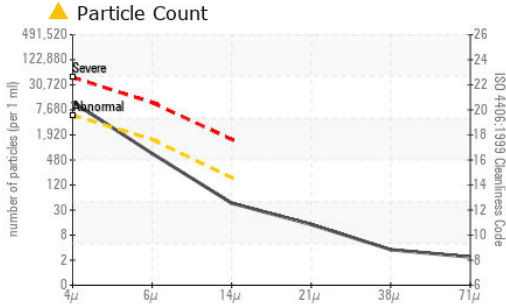
ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)		10	---	---
Barium	ppm ASTM D5185(m)		0	---	---
Molybdenum	ppm ASTM D5185(m)		52	---	---
Manganese	ppm ASTM D5185(m)		0	---	---
Magnesium	ppm ASTM D5185(m)		721	---	---
Calcium	ppm ASTM D5185(m)		1286	---	---
Phosphorus	ppm ASTM D5185(m)		1018	---	---
Zinc	ppm ASTM D5185(m)		1128	---	---
Sulfur	ppm ASTM D5185(m)		3152	---	---
Lithium	ppm ASTM D5185(m)		<1	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m)	>20	8	---	---
Sodium	ppm ASTM D5185(m)	>228	8	---	---
Potassium	ppm ASTM D5185(m)	>20	2	---	---

OIL ANALYSIS REPORT



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0070521
Lab Number : 02615955
Unique Number : 5733065
Test Package : IND 2 (Additional Tests: KV100, PQ, TAN Man, VI)

VILLE DE QUEBEC
 1615, boul. Jean-Talon, Ouest, arrondissement de Charlesbourg
 Quebec, QC
 CA G2K 2J5
 Contact: Jacques Bedard
 jacques-c.bedard@ville.quebec.qc.ca
 T: (418)563-5029
 F:

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.

FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	▲ 10319	---	---
Particles >6µm	ASTM D7647	>1300	603	---	---
Particles >14µm	ASTM D7647	>160	39	---	---
Particles >21µm	ASTM D7647	>40	12	---	---
Particles >38µm	ASTM D7647	>10	3	---	---
Particles >71µm	ASTM D7647	>3	2	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 21/16/12	---	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974*		1.66	---	---

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*	>0.1	NEG	---	---
Free Water	scalar Visual*		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D7279(m)	65.0	56.2	---	---
Visc @ 100°C	cSt ASTM D7279(m)	11.0	9.1	---	---
Viscosity Index (VI)	Scale ASTM D2270*	161	141	---	---

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