



RAPPORT D'ANALYSE D'HUILE

USURE **NORMAL**

CONTAMINATION **NORMAL**

ÉTAT DU FLUIDE **ATTENTION**

Secteur

[02364177]

Identité de la machine

HAULOTTE 13NF

Composant

Système hydraulique

Fluide

SHELL NATURELLE S2 32 (--- GAL)

RECOMMANDATION

Confirm the source of the lubricant being utilized for top-up/fill. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Diagnostician's Note: If you want to confirm the amount of mineral oil, please provide a new unused sample of Shell Naturelle S2 (HF-E 32 is not S2 32). This is like around 90-95% Shell Naturelle S2 32 (unconfirmed).

USURE

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

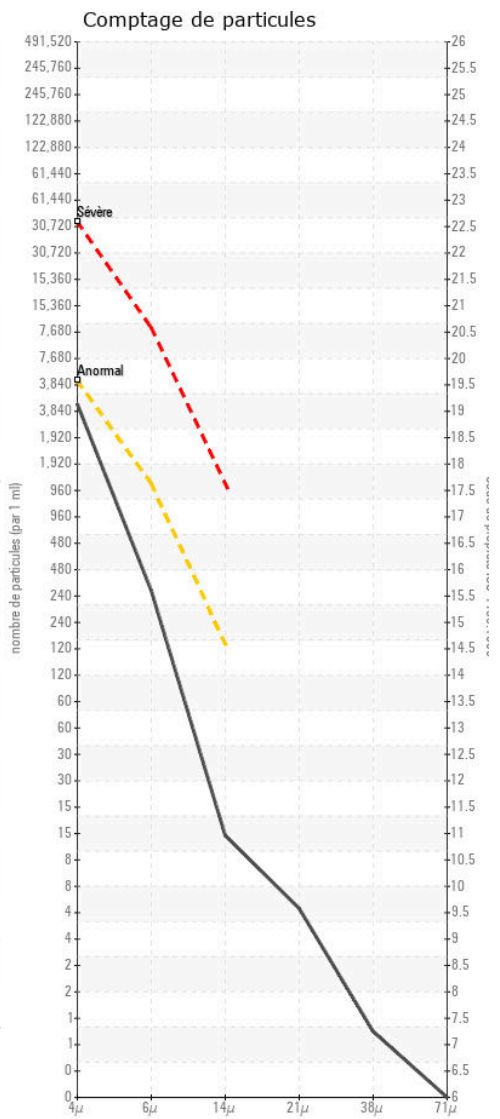
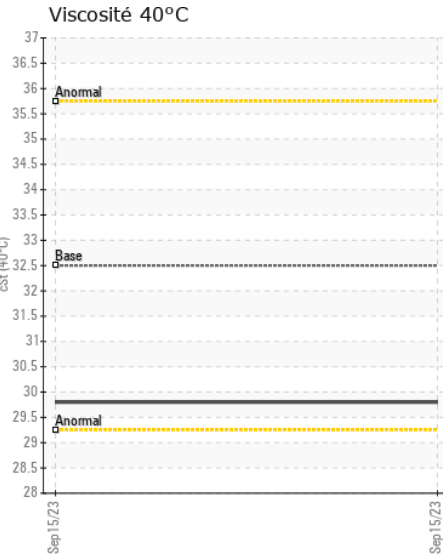
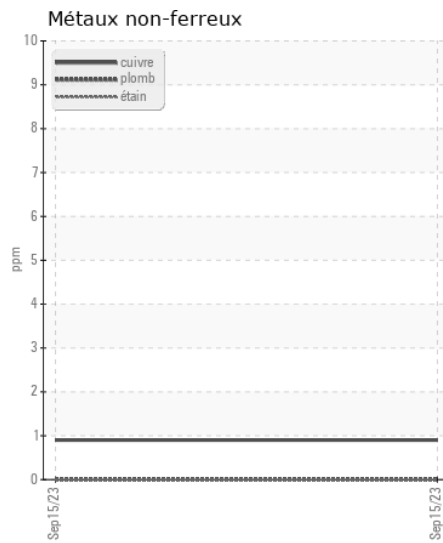
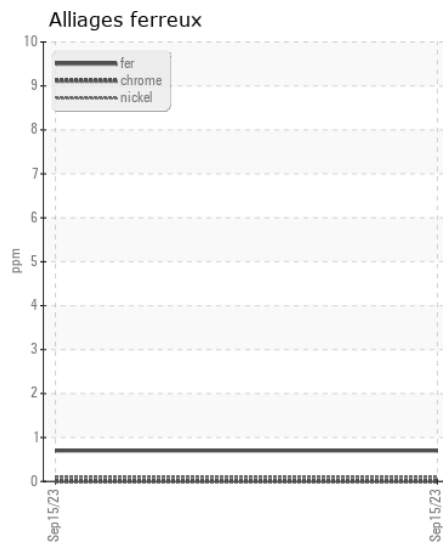
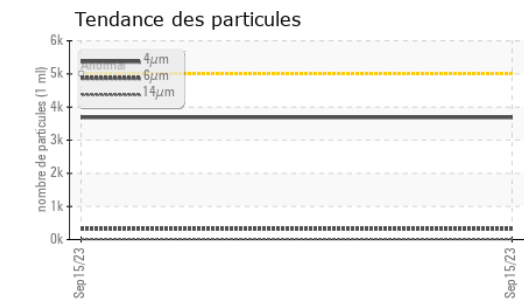
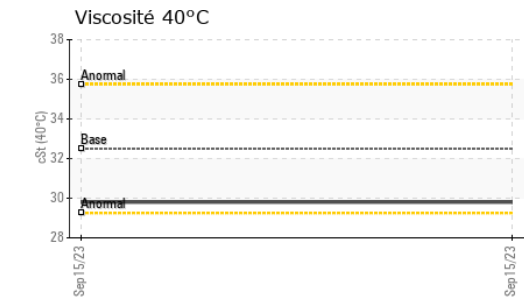
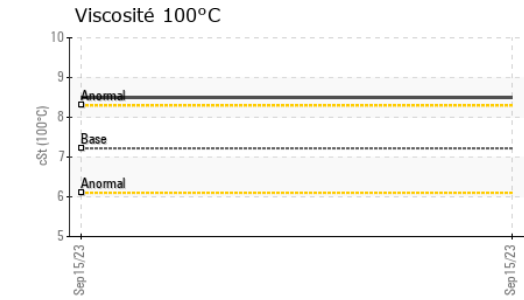
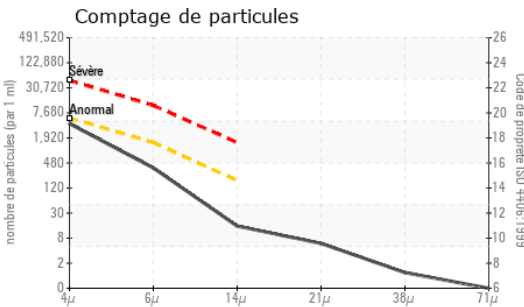
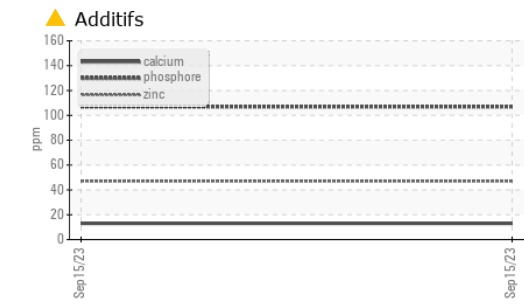
CONTAMINATION

La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La propreté du système et du fluide est acceptable.

ÉTAT DU FLUIDE

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. L'état de l'huile est acceptable pour la durée de service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		PC0055589	---	---
Date d'échant.		Client Info		15 Sep 2023	---	---
Âge d la Machine	hrs	Client Info		7	---	---
Âge de l'huile	hrs	Client Info		7	---	---
Âge du filtre	hrs	Client Info		7	---	---
Huile changée		Client Info		Changed	---	---
Filtre changé		Client Info		Changed	---	---
Statut de l'échant.				ATTENTION	---	---
Fer	ppm	ASTM D5185(m)	>20	<1	---	---
Chrome	ppm	ASTM D5185(m)	>10	0	---	---
Nickel	ppm	ASTM D5185(m)	>10	<1	---	---
Titane	ppm	ASTM D5185(m)		0	---	---
Argent	ppm	ASTM D5185(m)		0	---	---
Aluminium	ppm	ASTM D5185(m)	>10	<1	---	---
Plomb	ppm	ASTM D5185(m)	>10	0	---	---
Cuivre	ppm	ASTM D5185(m)	>75	<1	---	---
Étain	ppm	ASTM D5185(m)	>10	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
Métal blanc	scalar	Visual*	NONE	NONE	---	---
Bronze	scalar	Visual*	NONE	NONE	---	---
Silicium	ppm	ASTM D5185(m)	>20	7	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
% de suie	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*		2.9	---	---
Sulfatation	Abs/.1mm	ASTM D7415*		49.4	---	---
Particules >4µ		ASTM D7647	>5000	3687	---	---
Particules >6µ		ASTM D7647	>1300	320	---	---
Particules >14µ		ASTM D7647	>160	13	---	---
Particules >21µ		ASTM D7647	>40	5	---	---
Particules >38µ		ASTM D7647	>10	1	---	---
Particules >71µ		ASTM D7647	>3	0	---	---
Propreté de l'huile		ISO 4406 (c)	>19/17/14	19/15/11	---	---
Limon	scalar	Visual*	NONE	NONE	---	---
Débris	scalar	Visual*	NONE	NONE	---	---
Saleté	scalar	Visual*	NONE	NONE	---	---
Apparence	scalar	Visual*	NORML	NORML	---	---
Odeur	scalar	Visual*	NORML	NORML	---	---
Eau émulsifiée	scalar	Visual*	>0.1	NEG	---	---
Sodium	ppm	ASTM D5185(m)		<1	---	---
Bore	ppm	ASTM D5185(m)		<1	---	---
Baryum	ppm	ASTM D5185(m)		<1	---	---
Molybdène	ppm	ASTM D5185(m)		0	---	---
Manganèse	ppm	ASTM D5185(m)		<1	---	---
Magnésium	ppm	ASTM D5185(m)		<1	---	---
Calcium	ppm	ASTM D5185(m)		▲ 13	---	---
Phosphore	ppm	ASTM D5185(m)		107	---	---
Zinc	ppm	ASTM D5185(m)		▲ 47	---	---
Soufre	ppm	ASTM D5185(m)		2037	---	---
Oxydation	Abs/.1mm	ASTM D7414*		42.9	---	---
Visc 40°C	cSt	ASTM D7279(m)	32.5	29.8	---	---
Visc 100°C	cSt	ASTM D7279(m)	7.22	8.5	---	---
Indice de viscosité (VI)	Scale	ASTM D2270*	196	285	---	---



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : PC0055589
N° de laboratoire : 02583620
Numéro unique : 5644685
Analyse : MOB 2 (Additional Tests: FT-IR, KV100, MINERAL OIL CONTENT, VI)

Location Simplex
 1900 Rue Des Futailles
 Montreal, QC
 CA H1N 3T5
 Contact: Walter Massicotte
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 T: (514)251-9281
 F:

Pour discuter ce rapport, contacter le service à la clientèle au 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 La validez de los resultados y la interpretación se basan en la muestra y la información proporcionada.