



Identité de la machine

**HAULOTTE 13NH**

Composant

**Système hydraulique**

Fluide

**SHELL NATURELLE S2 32 (--- GAL)**

**RECOMMENDATION**

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.

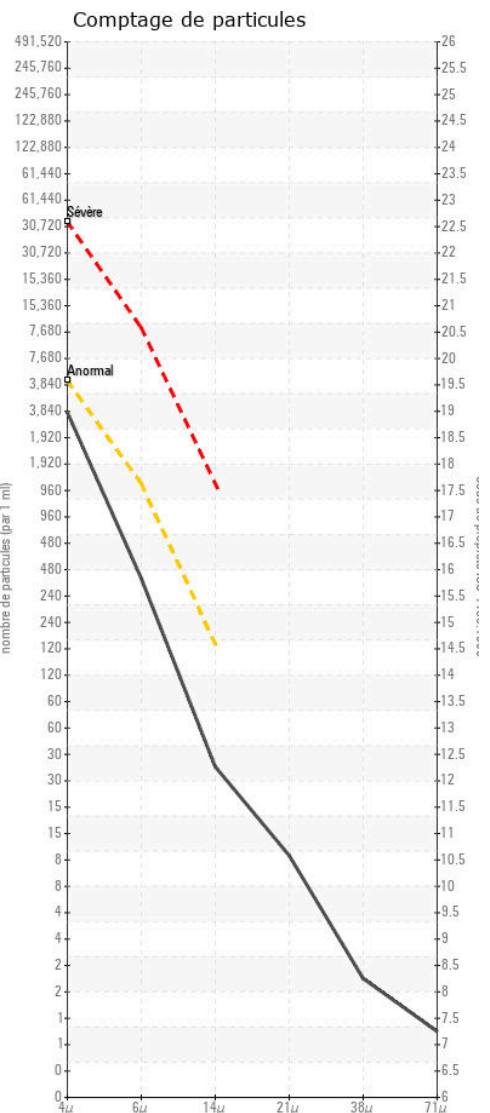
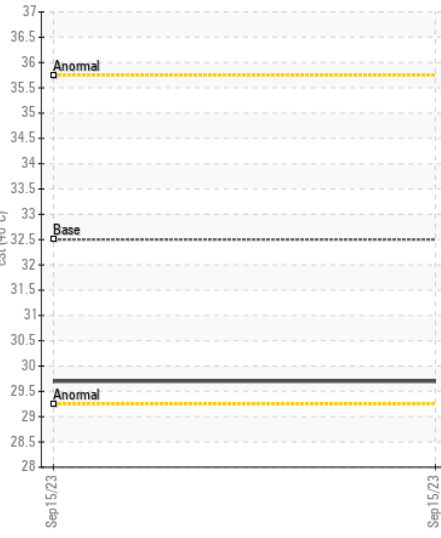
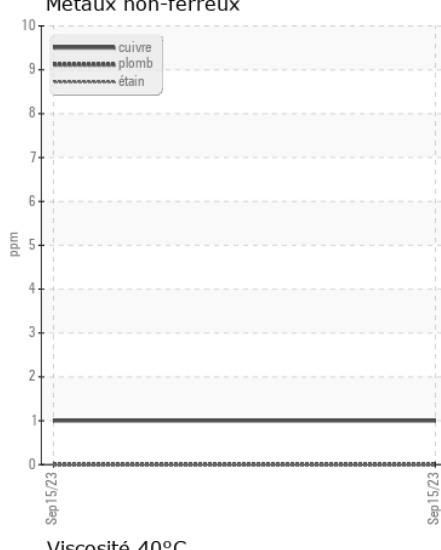
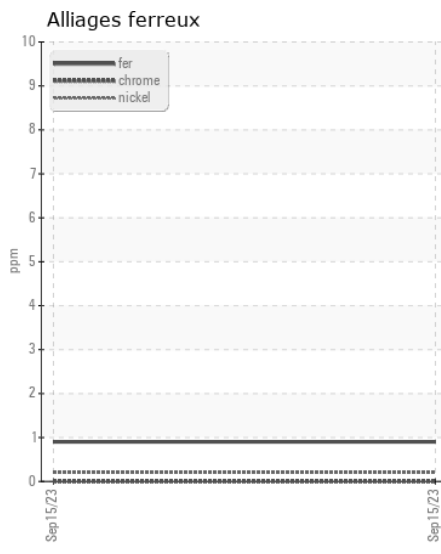
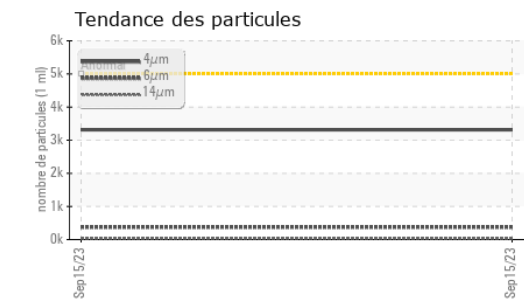
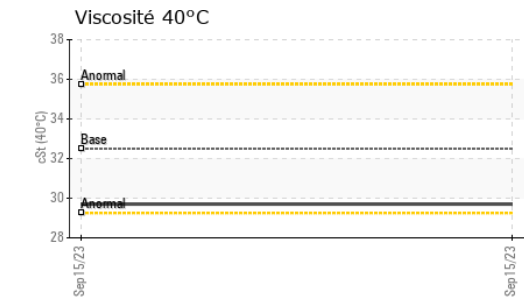
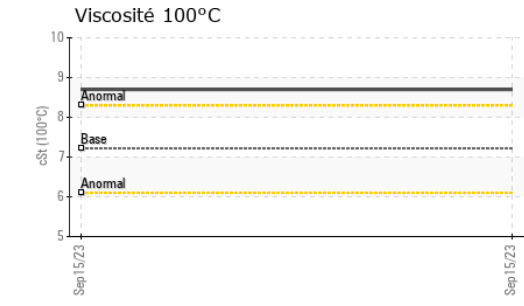
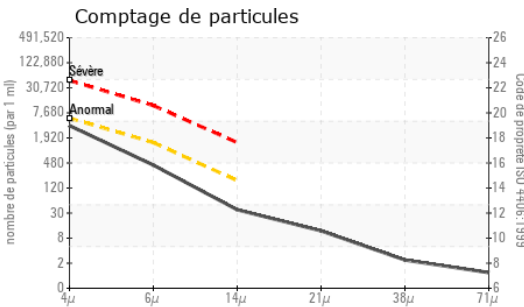
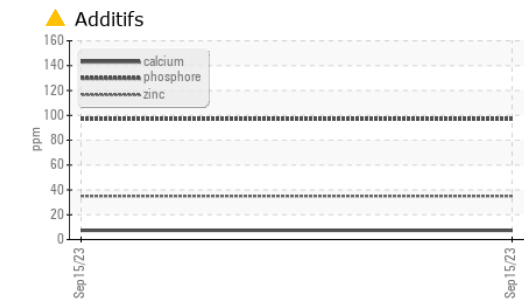
**CONTAMINATION**

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		<b>PC0055590</b>	---	---
Date d'échant.		Client Info		<b>15 Sep 2023</b>	---	---
Âge d la Machine	hrs	Client Info		<b>2</b>	---	---
Âge de l'huile	hrs	Client Info		<b>2</b>	---	---
Âge du filtre	hrs	Client Info		<b>2</b>	---	---
Huile changée		Client Info		<b>Not Chngd</b>	---	---
Filtre changé		Client Info		<b>Not Chngd</b>	---	---
Statut de l'échant.				<b>ATTENTION</b>	---	---
Fer	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Chrome	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Nickel	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	---	---
Titane	ppm	ASTM D5185(m)		<b>0</b>	---	---
Argent	ppm	ASTM D5185(m)		<b>0</b>	---	---
Aluminium	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	---	---
Plomb	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Cuivre	ppm	ASTM D5185(m)	>75	<b>1</b>	---	---
Étain	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Métal blanc	scalar	Visual*	NONE	<b>NONE</b>	---	---
Bronze	scalar	Visual*	NONE	<b>NONE</b>	---	---
Silicium	ppm	ASTM D5185(m)	>20	<b>8</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
% de suie	%	ASTM D7844*		<b>0</b>	---	---
Nitration	Abs/cm	ASTM D7624*		<b>2.9</b>	---	---
Sulfatation	Abs/.1mm	ASTM D7415*		<b>50.6</b>	---	---
Particules >4µ		ASTM D7647	>5000	<b>3313</b>	---	---
Particules >6µ		ASTM D7647	>1300	<b>376</b>	---	---
Particules >14µ		ASTM D7647	>160	<b>32</b>	---	---
Particules >21µ		ASTM D7647	>40	<b>10</b>	---	---
Particules >38µ		ASTM D7647	>10	<b>2</b>	---	---
Particules >71µ		ASTM D7647	>3	<b>1</b>	---	---
Propreté de l'huile		ISO 4406 (c)	>19/17/14	<b>19/16/12</b>	---	---
Limon	scalar	Visual*	NONE	<b>NONE</b>	---	---
Débris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Saleté	scalar	Visual*	NONE	<b>NONE</b>	---	---
Apparence	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odeur	scalar	Visual*	NORML	<b>NORML</b>	---	---
Eau émulsifiée	scalar	Visual*	>0.1	<b>NEG</b>	---	---
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Bore	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Baryum	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Molybdène	ppm	ASTM D5185(m)		<b>0</b>	---	---
Manganèse	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Magnésium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Calcium	ppm	ASTM D5185(m)		<b>▲ 7</b>	---	---
Phosphore	ppm	ASTM D5185(m)		<b>97</b>	---	---
Zinc	ppm	ASTM D5185(m)		<b>▲ 35</b>	---	---
Soufre	ppm	ASTM D5185(m)		<b>2083</b>	---	---
Oxydation	Abs/.1mm	ASTM D7414*		<b>43.7</b>	---	---
Visc 40°C	cSt	ASTM D7279(m)	32.5	<b>29.7</b>	---	---
Visc 100°C	cSt	ASTM D7279(m)	7.22	<b>8.7</b>	---	---
Indice de viscosité (VI)	Scale	ASTM D2270*	196	<b>295</b>	---	---



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : PC0055590  
**N° de laboratoire** : 02583621  
**Numéro unique** : 5644686  
**Analyse** : MOB 2 ( Additional Tests: FT-IR, KV100, MINERAL OIL CONTENT, VI )

**Location Simplex**  
 1900 Rue Des Futailles  
 Montreal, QC  
 CA H1N 3T5  
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 wmassicotte@simplex.ca  
 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.