

#### Machine Id

# JOHN DEERE 3039 106233

## JOHN DEERE HY-GARD HYD/TRANS LOW VIS (--- GAL)

#### RECOMMENDATION

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation.

### WEAR

All component wear rates are normal.

#### CONTAMINATION

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

#### FLUID CONDITION

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Sample Number    Client Info    JR0151513    Interstyle      Sample Date    Client Info    13 Apr 2023        Machine Age    hrs    Client Info    195        Oil Age    hrs    Client Info    0        Filter Age    hrs    Client Info    Not Changd        Sample Status    Client Info    Not Changd         PQ    ASTM D5185m    SEVERE         Not Changd    Pm    ASTM D5185m    10    0        Nickel    ppm    ASTM D5185m    >10    0        Nickel    ppm    ASTM D5185m    10    0        Silver    ppm    ASTM D5185m    10    0        Qanadium    ppm    ASTM D5185m    10    0        Yellow Metal    scalar    *V	Test	UOM	Method	l imit/Abn	Current	Historv1	History2
Sample Date    Client Info    13 Apr 2023        Machine Age    hrs    Client Info    195        Oil Age    hrs    Client Info    195        Oil Changed    Client Info    Not Changd        Filter Changed    Client Info    Not Changd        Sample Status    SEVERE         PQ    ASTM D5185m    200    19        PC    ASTM D5185m    >10    0        Nickel    ppm    ASTM D5185m    >10    0        Aluminum    ppm    ASTM D5185m    >10    0        Silver    ppm    ASTM D5185m    >10    0        Aluminum    ppm    ASTM D5185m    >10    0        Vellow Metal    scalar    "Visual    NONE	Sample Number	00111	Client Info	Ennorton	JB0151513		
Machine Age    hrs    Client Info    195        Oil Age    hrs    Client Info    0        Filter Age    hrs    Client Info    Not Changd        Filter Changed    Client Info    Not Changd         Sample Status    SEVERE          PQ    ASTM D5185m    >20    19        Iron    ppm    ASTM D5185m    0        Nickel    ppm    ASTM D5185m    0        Nickel    ppm    ASTM D5185m    0        Silver    ppm    ASTM D5185m    10    0        Copper    ppm    ASTM D5185m    >10    0        Vanadium    ppm    ASTM D5185m    >20    6        Vanadium    ppm    ASTM D5185m	Sample Date		Client Info		13 Apr 2023		
Oil Age    hrs    Client Info    195        Filter Age    hrs    Client Info    Not Changd        Oil Changed    Client Info    Not Changd         Sample Status    SEVERE         PQ    ASTM D5185m    >20    19        Iron    ppm    ASTM D5185m    >10    0        Nickel    ppm    ASTM D5185m    >10    0        Silver    ppm    ASTM D5185m    >10    0        Copper    ppm    ASTM D5185m    >10    0        Vanadium    ppm    ASTM D5185m    >10    0        Vanadium    ppm    ASTM D5185m    >20    6        Yellow Metal    scalar    'Visual    NONE         Yellow	Machine Age	hrs	Client Info		195		
Filter Age    hrs    Client Info    O        Oil Changed    Client Info    Not Changd        Filter Changed    Client Info    Not Changd        Sample Status    SEVER        PQ    ASTM D5185m    >20    19       Chromium ppm    ASTM D5185m    >10    0       Nickel    ppm    ASTM D5185m    >10    0       Silver    ppm    ASTM D5185m    >10    4       Aluminum    ppm    ASTM D5185m    >10    4       Lead    ppm    ASTM D5185m    >10    0       Vanadium    ppm    ASTM D5185m    >10    0       Vanadium    ppm    ASTM D5185m    >0        Vanadium    ppm    ASTM D5185m    >20        Vellow Metal    scalar    *Visual    NONE	Oil Age	hrs	Client Info		195		
Oil Changed Filter Changed    Client Info    Not Changd Not Changd        Sample Status    SEVERE         PQ    ASTM D8184    19        Iron    ppm    ASTM D5185m    >20    19        Chromium    ppm    ASTM D5185m    >10    0        Nickel    ppm    ASTM D5185m    10    0        Nickel    ppm    ASTM D5185m    10    0        Silver    ppm    ASTM D5185m    10    0        Copper    ppm    ASTM D5185m    10    0        Vanadium    ppm    ASTM D5185m    10    0        Vellow Metal    scalar    'Visual    NONE    NONE        Vellow Metal    scalar    'Visual    NONE    NONE	Filter Age	hrs	Client Info		0		
Filter Changed Sample Status    Client Info    Not Changd SEVERE        PQ    ASTM D8184    19        Iron    ppm    ASTM D5185m    >20    19       Nickel    ppm    ASTM D5185m    >10    0        Nickel    ppm    ASTM D5185m    0         Silver    ppm    ASTM D5185m    0    0        Silver    ppm    ASTM D5185m    0    0        Silver    ppm    ASTM D5185m    0    0        Copper    pm    ASTM D5185m    10    0        Valadum    ppm    ASTM D5185m    20    6        Vellow Metal    scalar    *Visual    NONE        Vellow Metal    scalar    *Visual    NONE        Silicon    ppm<	Oil Changed		Client Info		Not Changd		
Sample Status    SEVERE        PQ    ASTM D8184    19        Iron    ppm    ASTM D5185m    >20    19       Nickel    ppm    ASTM D5185m    >10    0        Nickel    ppm    ASTM D5185m    0         Aluminum    ppm    ASTM D5185m    10    0        Aluminum    ppm    ASTM D5185m    >10    4        Lead    ppm    ASTM D5185m    >10    0        Vanadium    ppm    ASTM D5185m    >10    0        Vanadium    ppm    ASTM D5185m    >10    0        Vanadium    ppm    ASTM D5185m    >20    6        Valow Metal    scalar    'Visual    NONE        Silicon    ppm <th>Filter Changed</th> <th></th> <th>Client Info</th> <th></th> <th>Not Change</th> <th></th> <th></th>	Filter Changed		Client Info		Not Change		
PQ    ASTM D8184    19        Iron    ppm    ASTM D8185m<>20    19        Chromium    ppm    ASTM D5185m<>10    0        Nickel    ppm    ASTM D5185m    10    0        Silver    ppm    ASTM D5185m    10    4        Lead    ppm    ASTM D5185m    10    4        Lead    ppm    ASTM D5185m    >10    0        Vanadium    ppm    ASTM D5185m    >10    0        Vanadium    ppm    ASTM D5185m    >10    0        Vanadium    ppm    ASTM D5185m    >20    6        Vanadium    ppm    ASTM D5185m    >20    <1        Vallow    Math D5185m    >20    <1        Vatar	Sample Status				SEVERE		
PQ    ASTM D8184    19        Iron    ppm    ASTM D5185m<>20    19        Chromium    ppm    ASTM D5185m<>10    0        Nickel    ppm    ASTM D5185m    0        Silver    ppm    ASTM D5185m    0        Silver    ppm    ASTM D5185m    10    0       Aluminum    ppm    ASTM D5185m<>10    0        Lead    ppm    ASTM D5185m<>10    0        Vanadium    ppm    ASTM D5185m<>10    0        Vantadum    ppm    ASTM D5185m<>20    6        Vellow Metal    scalar    'Visual    NONE        Silicon    ppm    ASTM D7647    >0    4    280        Particles >4µm    ASTM D7647    >100    2							
Iron    ppm    ASTM D5185m    >20    19       Nickel    ppm    ASTM D5185m    >10    0       Nickel    ppm    ASTM D5185m    0        Silver    ppm    ASTM D5185m    0        Aluminum    ppm    ASTM D5185m    >10    4        Lead    ppm    ASTM D5185m    >10    0        Vanadium    ppm    ASTM D5185m    >10    0        Vanadium    ppm    ASTM D5185m    >10    0        Vanadium    ppm    ASTM D5185m    >20    6        Vanadium    ppm    ASTM D5185m    >20    <-1        Vallow Metal    scalar    *Visual    NONE        Silicon    ppm    ASTM D7647    >100    2	PQ		ASTM D8184		19		
Chromium    ppm    ASTM D5185m    >10    0        Nickel    ppm    ASTM D5185m    00        Silver    ppm    ASTM D5185m    0        Aluminum    ppm    ASTM D5185m    >10    4        Aluminum    ppm    ASTM D5185m    >10    0        Lead    ppm    ASTM D5185m    >10    0        Vanadium    ppm    ASTM D5185m    >10    0        Vanadium    ppm    ASTM D5185m    >20    6        Vanadium    ppm    ASTM D5185m    >20    <1        Vallow Metal    scalar    *Visual    NONE        Silicon    ppm    ASTM D7647    >5000    6        Particles >4µm    ASTM D7647    >30	Iron	ppm	ASTM D5185m	>20	19		
Nickel    ppm    ASTM D5185m    >10    0        Titanium    ppm    ASTM D5185m    0    0        Silver    ppm    ASTM D5185m    10    4        Lead    ppm    ASTM D5185m    >10    0        Copper    ppm    ASTM D5185m    >10    0        Vanadium    ppm    ASTM D5185m    >20    6        Vellow Metal    scalar    *Visual    NONE        Silicon    ppm    ASTM D7647    >100    6 67921        Particles >4µm    ASTM D7647    >100	Chromium	ppm	ASTM D5185m	>10	0		
Titanium    ppm    ASTM D5185m    0        Silver    ppm    ASTM D5185m    0    4        Aluminum    ppm    ASTM D5185m    >10    0        Lead    ppm    ASTM D5185m    >10    0        Copper    ppm    ASTM D5185m    >10    0        Vanadium    ppm    ASTM D5185m    >10    0        Vanadium    ppm    ASTM D5185m    >10    0        Vanadium    ppm    ASTM D5185m    >20    6        Vellow Metal    scalar    *Visual    NONE      Particles     Particles        Silicon    ppm    ASTM D7647    >100    2380        Particles >4µm    ASTM D7647    >10    2	Nickel	ppm	ASTM D5185m	>10	0		
Silver    ppm    ASTM D5185m    0    4        Aluminum    ppm    ASTM D5185m    >10    4        Lead    ppm    ASTM D5185m    >10    0        Copper    ppm    ASTM D5185m    >75    37        Vanadium    ppm    ASTM D5185m    >75    37        Vanadium    ppm    ASTM D5185m    >10    0        Vanadium    ppm    ASTM D5185m    >20    6        Vanadium    ppm    ASTM D5185m    >20    <1        Vallow    wC Method    >0.1    NEG        Particles >4µm    ASTM D7647    >100    2        Particles >4µm    ASTM D7647    >10    2        Particles >38µm    ASTM D7647    >10    2 <th>Titanium</th> <th>ppm</th> <th>ASTM D5185m</th> <th></th> <th>0</th> <th></th> <th></th>	Titanium	ppm	ASTM D5185m		0		
Aluminum    ppm    ASTM D5185m    >10    Q        Lead    ppm    ASTM D5185m    >10    Q        Copper    ppm    ASTM D5185m    >75    37        Vanadim    ppm    ASTM D5185m    >10    Q        White Metal    scalar    *Visual    NONE    NONE        Yellow Metal    scalar    *Visual    NONE    NONE        Silicon    ppm    ASTM D5185m    >20    <1        Patticles >4µm    ASTM D7647    >5000    € 67921        Particles >4µm    ASTM D7647    >100    2        Particles >4µm    ASTM D7647    >10    2        Particles >4µm    ASTM D7647    >10    2        Particles >4µm    ASTM D7647    >3    0	Silver	ppm	ASTM D5185m		0		
Lead    ppm    ASTM D5185m    >10    0        Copper    ppm    ASTM D5185m    >75    37        Tin    ppm    ASTM D5185m    >10    0        Vanadium    ppm    ASTM D5185m    >0    0        White Metal    scalar    *Visual    NONE         Yellow Metal    scalar    *Visual    NONE         Silicon    ppm    ASTM D5185m    >20    <1        Paticles >4µm    PatriD647    >5000    67921        Particles >4µm    ASTM D7647    >100    2        Particles >4µm    ASTM D7647    >10    2        Particles >5µm    ASTM D7647    >30         Particles >3µm    ASTM D7647    >30    0 <th>Aluminum</th> <th>ppm</th> <th>ASTM D5185m</th> <th>&gt;10</th> <th>4</th> <th></th> <th></th>	Aluminum	ppm	ASTM D5185m	>10	4		
Copper    ppm    ASTM D5185m    >75    37        Tin    ppm    ASTM D5185m    >10    0        Vanadium    ppm    ASTM D5185m    0        White Metal    scalar    *Visual    NONE    NONE       Yellow Metal    scalar    *Visual    NONE        Silicon    ppm    ASTM D5185m    >20    6        Potassium    ppm    ASTM D5185m    >20    <1        Water    WC Method    >0.1    NEG        Particles >4µm    ASTM D7647    >100    2        Particles >34µm    ASTM D7647    >10    2        Particles >71µm    ASTM D7647    >10    2        Silt    scalar    *Visual    NONE    NONE       Sold Leanliness	Lead	ppm	ASTM D5185m	>10	0		
Tin    ppm    ASTM D5185m    >10    0        Vanadium    ppm    ASTM D5185m    0        White Metal    scalar    *Visual    NONE    NONE        Yellow Metal    scalar    *Visual    NONE    NONE        Silicon    ppm    ASTM D5185m    >20    c1        Potassium    ppm    ASTM D5185m    >20    c1        Water    WC Method    >0.1    NEG         Particles >4µm    ASTM D7647    >100    2        Particles >51µm    ASTM D7647    >10    2        Particles >71µm    ASTM D7647    >3    0        Particles >71µm    ASTM D7647    >3    0        Silt    scalar    *Visual    NONE    NONE	Copper	ppm	ASTM D5185m	>75	37		
Vanadium    ppm    ASTM D5185m    0        White Metal    scalar    *Visual    NONE    NONE        Yellow Metal    scalar    *Visual    NONE    NONE        Silicon    ppm    ASTM D5185m    >20    6        Potassium    ppm    ASTM D5185m    >20    <1        Patticles >4µm    ASTM D7647    >5000    ● 67921        Particles >6µm    ASTM D7647    >100    2        Particles >6µm    ASTM D7647    >40    11        Particles >38µm    ASTM D7647    >10    2        Particles >71µm    ASTM D7647    >10    2        Silt    scalar    *Visual    NONE    NONE        Solt    scalar    *Visual    NOR    NORE <th>Tin</th> <th>ppm</th> <th>ASTM D5185m</th> <th>&gt;10</th> <th>0</th> <th></th> <th></th>	Tin	ppm	ASTM D5185m	>10	0		
White Metal Yellow Metal    scalar    *Visual    NONE    NONE        Yellow Metal    scalar    *Visual    NONE    NONE        Silicon    ppm    ASTM D5185m    >20    <1        Potassium    ppm    ASTM D5185m    >20    <1        Patticles >4µm    ASTM D7647    >5000    ● 67921        Particles >6µm    ASTM D7647    >100    2        Particles >6µm    ASTM D7647    >10    2        Particles >38µm    ASTM D7647    >10    2        Particles >38µm    ASTM D7647    >3    0        Particles >71µm    ASTM D7647    >3    0        Silt    scalar    *Visual    NONE    NONE        Silt    scalar    *Visual    NORE    NONE    <	Vanadium	ppm	ASTM D5185m		0		
Yellow Metal    scalar    *Visual    NONE        Silicon    ppm    ASTM D5185m    >20    6        Potassium    ppm    ASTM D5185m    >20    <1        Water    WC Method    >0.1    NEG        Particles >4µm    ASTM D7647    >100    6 67921        Particles >6µm    ASTM D7647    >100    2        Particles >51µm    ASTM D7647    >10    2        Particles >71µm    ASTM D7647    >10    2        Particles >71µm    ASTM D7647    >30         Particles >71µm    ASTM D7647    >30    0        Silt    scalar    *Visual    NONE        Silt    scalar    *Visual    NONE        Appearance    scala	White Metal	scalar	*Visual	NONE	NONE		
Silicon    ppm    ASTM D5185m    >20    6        Potassium    ppm    ASTM D5185m    >20    <1        Water    WC Method    >0.1    NEG        Particles >4µm    ASTM D7647    >1000 <b>6</b> 67921        Particles >6µm    ASTM D7647    >100 <b>4</b> 2380        Particles >14µm    ASTM D7647    >100 <b>2</b> Particles >21µm    ASTM D7647    >10 <b>2</b> Particles >14µm    ASTM D7647    >10 <b>2</b> Particles >14µm    ASTM D7647    >30         Particles >1µm    ASTM D7647    >30         Oil Cleanliness    ISO 4406 (c)    19/17/14 <b>23/18/12</b> Sand/Dirt    scalar    *Visual    NONE	Yellow Metal	scalar	*Visual	NONE	NONE		
Bottom    ppm    ASTM D5163m    ≥20    <1	Silicon	nom	AGTM D5185m	> 20	6		
Notesticinin    pprint    ASTM D5105m    ≥2.0    < 1	Potassium	ppm	ASTM D5185m	>20	0 1		
Particles >4μm    ASTM D7647    >5000    67921        Particles >6μm    ASTM D7647    >1300    2380        Particles >14μm    ASTM D7647    >160    30        Particles >21μm    ASTM D7647    >10    2        Particles >38µm    ASTM D7647    >10    2        Particles >71µm    ASTM D7647    >10    2        Particles >71µm    ASTM D7647    30    0        Oil Cleanliness    ISO 4406 (c)    >19/17/14    © 23/18/12        Silt    scalar    *Visual    NONE         Sand/Dirt    scalar    *Visual    NONE    NORML        Appearance    scalar    *Visual    NORML    NORML        Gotor    scalar    *Visual    NORM    NORML	Water	ppin	WC Method	>0.1	NEG		
Particles >6µm    ASTM D7647    >1300    2380       Particles >14µm    ASTM D7647    >160    30        Particles >14µm    ASTM D7647    >40    11        Particles >21µm    ASTM D7647    >40    11        Particles >38µm    ASTM D7647    >40    11        Particles >71µm    ASTM D7647    >10    2        Particles >71µm    ASTM D7647    30    0        Oil Cleanliness    ISO 4406 (c)    >19/17/14    23/18/12        Silt    scalar    *Visual    NONE        Sand/Dirt    scalar    *Visual    NOR    NORML        Appearance    scalar    *Visual    NORML    NORML        Cdor    scalar    *Visual    NORML    NORML        Bor	Particles \4um		ASTM D7647	>5000	67921		
Particles >14µm  ASTM D7647  >160  30      Particles >21µm  ASTM D7647  >40  11      Particles >38µm  ASTM D7647  >10  2      Particles >38µm  ASTM D7647  >10  2      Particles >71µm  ASTM D7647  >3  0      Oil Cleanliness  ISO 4406 (c)  >19/17/14  23/18/12      Silt  scalar  *Visual  NONE      Debris  scalar  *Visual  NONE  NONE      Sand/Dirt  scalar  *Visual  NORM  NORML      Appearance  scalar  *Visual  NORM  NORML      Godor  scalar  *Visual  NORM  NORML      Sodium  ppm  ASTM D5185m  4      Boron  ppm  ASTM D5185m  0	Particles >6um		ASTM D7647	>1300	2380		
Particles >21µm    ASTM D7647    >40    11        Particles >38µm    ASTM D7647    >10    2        Particles >38µm    ASTM D7647    >3    0        Particles >71µm    ASTM D7647    >3    0        Oil Cleanliness    ISO 4406 (c)    >19/17/14    23/18/12        Silt    scalar    *Visual    NONE        Debris    scalar    *Visual    NONE        Sand/Dirt    scalar    *Visual    NORM    NORE        Appearance    scalar    *Visual    NORM    NORML        Odor    scalar    *Visual    NOR    NORML        Boron    ppm    ASTM D5185m    4        Boron    ppm    ASTM D5185m    0        Manganese	Particles >14um		ASTM D7647	>160	30		
Particles >38μm    ASTM D7647    >10    2        Particles >71μm    ASTM D7647    >3    0        Oil Cleanliness    ISO 4406 (c)    >19/17/14    23/18/12        Silt    scalar    *Visual    NONE         Debris    scalar    *Visual    NONE         Sand/Dirt    scalar    *Visual    NORE         Appearance    scalar    *Visual    NORM    NORML        Odor    scalar    *Visual    NORM    NORML        Emulsified Water    scalar    *Visual    >0.1    NEG        Sodium    ppm    ASTM D5185m    4         Boron    ppm    ASTM D5185m    0         Manganese    ppm    ASTM D5185m	Particles >21um		ASTM D7647	>40	11		
Particles >71µm    ASTM D7647    >3    0        Oil Cleanliness    ISO 4406 (c)    19/17/14    23/18/12        Silt    scalar    *Visual    NONE    NONE        Debris    scalar    *Visual    NONE    NONE        Sand/Dirt    scalar    *Visual    NONE    NONE        Appearance    scalar    *Visual    NORM    NORML        Odor    scalar    *Visual    NORM    NORML        Sodium    ppm    ASTM D5185m    A         Boron    ppm    ASTM D5185m    4         Barium    ppm    ASTM D5185m    3         Manganese    ppm    ASTM D5185m    2         Magnesium    ppm    ASTM D5185m <th>Particles &gt;38µm</th> <th></th> <th>ASTM D7647</th> <th>&gt;10</th> <th>2</th> <th></th> <th></th>	Particles >38µm		ASTM D7647	>10	2		
Oil CleanlinessISO 4406 (c)19/17/1423/18/12Siltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*VisualNORMLNORMLSodiumppmASTM D5185m4BoronppmASTM D5185m0BariumppmASTM D5185m2MalganeseppmASTM D5185m2MagnesiumppmASTM D5185m3208PhosphorusppmASTM D5185m957ZincppmASTM D5185m1155SulfurppmASTM D5185m3453	Particles >71µm		ASTM D7647	>3	0		
Siltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185m4BoronppmASTM D5185m0BariumppmASTM D5185m0MolybdenumppmASTM D5185m2MagnesiumppmASTM D5185m101CalciumppmASTM D5185m3208PhosphorusppmASTM D5185m957ZincppmASTM D5185m1155SulfurppmASTM D5185m3453	Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>2</b> 3/18/12		
Debrisscalar*VisualNONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185m4BoronppmASTM D5185m0BariumppmASTM D5185m0MolybdenumppmASTM D5185m2MagnesiumppmASTM D5185m101PhosphorusppmASTM D5185m3208PhosphorusppmASTM D5185m957ZincppmASTM D5185m1155SulfurppmASTM D5185m3453	Silt	scalar	*Visual	NONE	NONE		
Sand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185m4BoronppmASTM D5185m4BariumppmASTM D5185m0MolybdenumppmASTM D5185m2MagnesiumppmASTM D5185m101MagnesiumppmASTM D5185m3208PhosphorusppmASTM D5185m1155ZincppmASTM D5185m1155SulfurppmASTM D5185m3453	Debris	scalar	*Visual	NONE	NONE		
Appearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185m4BoronppmASTM D5185m4BariumppmASTM D5185m0MolybdenumppmASTM D5185m2MagnesiumppmASTM D5185m101MagnesiumppmASTM D5185m3208PhosphorusppmASTM D5185m957ZincppmASTM D5185m1155SulfurppmASTM D5185m3453	Sand/Dirt	scalar	*Visual	NONE	NONE		
Odorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185m4BoronppmASTM D5185m4BariumppmASTM D5185m0MolybdenumppmASTM D5185m0MagnesiumppmASTM D5185m2MagnesiumppmASTM D5185m101CalciumppmASTM D5185m3208PhosphorusppmASTM D5185m1155ZincppmASTM D5185m1155SulfurppmASTM D5185m3453	Appearance	scalar	*Visual	NORML	NORML		
Emulsified Water    scalar    *Visual    >0.1    NEG        Sodium    ppm    ASTM D5185m    4        Boron    ppm    ASTM D5185m    4        Barium    ppm    ASTM D5185m    0        Molybdenum    ppm    ASTM D5185m    0        Magnesium    ppm    ASTM D5185m    2        Magnesium    ppm    ASTM D5185m    101        Calcium    ppm    ASTM D5185m    3208        Phosphorus    ppm    ASTM D5185m    957        Zinc    ppm    ASTM D5185m    1155        Sulfur    ppm    ASTM D5185m    3453	Odor	scalar	*Visual	NORML	NORML		
Sodium    ppm    ASTM D5185m    4        Boron    ppm    ASTM D5185m    3        Barium    ppm    ASTM D5185m    0        Barium    ppm    ASTM D5185m    0        Molybdenum    ppm    ASTM D5185m    2        Manganese    ppm    ASTM D5185m    2        Magnesium    ppm    ASTM D5185m    3208        Calcium    ppm    ASTM D5185m    957        Phosphorus    ppm    ASTM D5185m    1155        Zinc    ppm    ASTM D5185m    1155        Sulfur    ppm    ASTM D5185m    3453	Emulsified Water	scalar	*Visual	>0.1	NEG		
Sodium    ppm    ASTM D5185m    4        Boron    ppm    ASTM D5185m    3        Barium    ppm    ASTM D5185m    0        Molybdenum    ppm    ASTM D5185m    2        Manganese    ppm    ASTM D5185m    2        Magnesium    ppm    ASTM D5185m    101        Calcium    ppm    ASTM D5185m    3208        Phosphorus    ppm    ASTM D5185m    957        Zinc    ppm    ASTM D5185m    1155        Sulfur    ppm    ASTM D5185m    3453							
Boron    ppm    ASTM D5185m    3        Barium    ppm    ASTM D5185m    0        Molybdenum    ppm    ASTM D5185m    2        Manganese    ppm    ASTM D5185m    2        Magnesium    ppm    ASTM D5185m    3208        Calcium    ppm    ASTM D5185m    3208        Phosphorus    ppm    ASTM D5185m    957        Zinc    ppm    ASTM D5185m    1155        Sulfur    ppm    ASTM D5185m    3453	Sodium	ppm	ASTM D5185m		4		
Barium    ppm    ASTM D5185m    0        Molybdenum    ppm    ASTM D5185m    <1	Boron	ppm	ASTM D5185m		3		
Molybdenum    ppm    ASTM D5185m    <1	Barium	ppm	ASTM D5185m		0		
Manganese    ppm    ASIM D5185m    2        Magnesium    ppm    ASTM D5185m    101        Calcium    ppm    ASTM D5185m    3208        Phosphorus    ppm    ASTM D5185m    957        Zinc    ppm    ASTM D5185m    1155        Sulfur    ppm    ASTM D5185m    3453	Molybdenum	ppm	ASTM D5185m		<1		
Viagnesium    ppm    ASTM DS180m    101        Calcium    ppm    ASTM D5185m    3208        Phosphorus    ppm    ASTM D5185m    957        Zinc    ppm    ASTM D5185m    1155        Sulfur    ppm    ASTM D5185m    3453	Manganese	ppm	ASTM D5185M		2		
Carcinitian    ppm    ASTM D5185m    32208        Phosphorus    ppm    ASTM D5185m    957        Zinc    ppm    ASTM D5185m    1155        Sulfur    ppm    ASTM D5185m    3453	Coloium	ppm			101		
Phosphorus    ppm    ASTM Datasim    957        Zinc    ppm    ASTM D5185m    1155        Sulfur    ppm    ASTM D5185m    3453	Calcium	ppm	ASTM DE105		3208		
Sulfur    ppm    ASTM D5163m    1155        Sulfur    ppm    ASTM D5185m    3453	Zino	ppm	ASTM DE105~		93/		
<b>Guildi</b> pptit Astronomi <b>3433</b>	Sulfur	ppm	ASTM D5195m		2452		
Acid Number (AN) ma KOH/a ASTM D8045 126	Acid Number (AN)	ma KOH/a	ASTM D3103III		1 26		
Visc @ 40°C cSt ASTM D445 32 31 0	Visc @ 40°C	cSt	ASTM D445	32	31.0		



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 JRE - STATESVILLE Sample No. : JR0151513 635 MOCKSVILLE HWY Received : 24 Apr 2023 ल्य Lab Number : 05827491 STATESVILLE, NC Tested : 25 Apr 2023 Unique Number : 10440984 : 25 Apr 2023 - Wes Davis US 28625 Diagnosed Test Package : CONST (Additional Tests: PQ) Contact: SCOTT REID Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. sreid@jrenet.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (704)872-6411 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Contact/Location: SCOTT REID - JAMSTANC